

INDEX TO VOLUME 40

- Abdominal pain 346, 349
- Abelmoschus* 348
- Abortion 49
- Acacia* 220–232, 429
- Acalypha* 45
- Acanthopanax* 287
- Acculturation 339–340, 342, 351
- Accurate documentation of germplasm: The lost Guatemalan teosintes (*Zea*, Gramineae), Hugh H. Iltis, Duane A. Kolterman, and Bruce F. Benz 69–77
- Acetylenic compound 115, 165
- Acetylsalicylic acid 279
- Achimenes* 215, 218
- Achlorophyllous liverwort 337
- Acorus* 45
- Acourtia* 107, 111
- Acrocomia* 212–213, 217–218, 274
- Actinomycetales 311
- Adananthera* 45
- Adaptation 361
- Adaptogen 286
- Addiction liability 493
- Adenanthera* 445
- Adhesive 186
- Adhesive additive 439
- Adsorption chromatography 284
- Aechmea* 342, 346
- Aegilops* 269
- Africa 213, 429
- Aftershave 246
- Afzelia* 45, 51
- Agastache* 109
- Agathis* 191
- Agave* 45, 108
- Ageratum* 45
- Agricultural research 298–309
- Agricultural traditions 339–352
- Agriculture 265, 298, 442
- Agriculture, origin 7, 268
- Agriculture, prehistoric 271
- Agrobacterium* 283
- Ahmed, Saleem, and Michael Grainge, Potential of the neem tree (*Azadirachta indica*) for pest control and rural development 201–209
- AIDS 286
- Ajuga* 45
- Akha 38–53
- Albany 234
- Albizia* 45, 48
- Alcohol 189, 349
- Alcoholism 286
- Aldehyde 189
- Ali Baba and the Forty Thieves* 139
- Alkaloid 107, 113, 188–189, 286, 314
- Alkaloid biogenesis 488–489
- Allelopathy 302, 310–311
- Allium* 212, 398–400, 402
- Alocasia* 45, 447
- Aloe* 45, 425
- Alpinia* 45, 51
- Alsia* 319
- Alstonia* 45
- Altiplano 409–424
- Amaranthus* 36, 266, 272, 466
- Amazonia 177–185
- American ginseng 233–249
- Amino acid 57, 375–376, 378, 381
- Amino acids, essential 378
- Amomum* 45
- Amon 6
- Ampelopsis* 404
- Amphidium* 327
- Anacardiaceae 191, 346
- Anacolia* 316
- Analgesic 115, 447–449
- Analgesic, narcotic 488
- Analgesic, nonnarcotic 487
- Analysis of variance 355
- Ananas* 46
- Anatolia 269
- Andean Altiplano 409–424
- Andean South America 451–468
- Anderson, Edgar 299
- Anderson, Edward F., Ethnobotany of hill tribes of northern Thailand. II. Lahu medicinal plants 442–450
- Anderson, Edward F., Ethnobotany of hill tribes of northern Thailand. I. Medicinal plants of Akha 38–53
- Andes 409–424
- Andraea* 316
- Anemia 246
- Anesthetic, local 114
- Aneuploidy 366
- Aneura* 332
- Animal nutrition 375–383
- Annona* 82, 94, 306
- Anodyne 447
- Anomodon* 331, 336
- Anthelmintic 107, 115, 205
- Anthoceros* 335
- Anthocerotophyta 311
- Anthocyanin 406
- Anthropological studies 38
- Anthurium* 46, 51
- Antiaphrodisiac 4, 8
- Antibiotic 113, 115
- Anticancer agents 280, 310–338

- Anticancer potential 283
 Antidiarrhetic 113
 Antiemetic 447, 449
 Antifeedant 204
 Antihepatotoxic 281, 286
 Anti-inflammatory 113
 Antimalarial 113
 Antimicrobial 113, 311
 Antiperiodic 205
 Antiperspirant 281
 Antipyretic 114
 Antiseptic 114, 205, 448-449
 Antispasmodic 113
 Antisyphilitic 205
 Antitoxin 447
Antitrichia 326
 Antitumor activity 58, 283, 310, 313
 Antitumor agents 113, 310-338
 Antitumor screening 312-315
 Antitussive agent 487
 Anti-ulcer 206
 Antiviral 281
Apeiba 342, 350
 Aphrodisiac 4-15, 243, 246
 Apiginin 165
 Apocynaceae 490-491
 Apomixis 366
 Apple 397, 399-402
 Apricot 401
 Aquatic fern 375-383
 Arabia 426
 Arabinose 428
Arachis 28, 82, 89, 91-94, 212, 215
Araucaria 447
 Archaeobotanical material 398
 Archaeological explorations 83
 Archaeological manioc (*Manihot*) from coastal
 Peru, Donald Ugent, Shelia Pozorski, and
 Thomas Pozorski 78-102
 Archaeology 267-268
Archidendron 447
Arctostaphylos 111
Argemone 489
Argyreia 46, 51
Aristolochia 346, 351
Arnica 286
Arrabidaea 342, 346
Arracacia 82, 87
Artabotrys 46
Artemia 283
Artemisia 46, 108, 447
 Arthritis 110, 286
Arthrostemma 216, 218, 345, 348
 Artichoke 6, 399, 401-402
 Artifact manufacturing 210
Artocarpus 306
Asclepias 346, 439
Ascoridol 107
 Asiatic ginseng 233-249
 Asparagus 402
 Aspirin 245
Asplundia 347
Aster 434, 437-439
 Asthma 110, 349
 Astringent 205, 430, 448-449
Astrocaryum 342, 349
 Astrocytoma assay 313-315
 Atomic absorption spectrophotometer 376
Atrichum 327-328
Aulacomnium 315-316
 Avocado 82, 89, 91-94, 212, 306, 344, 348
Azadirachta 201-209
 Azadirachtin 204
 Backhaus, Ralph A. 366-374
 Back pain 346
 Bactericidal 113
Bactris 274, 344, 349
 Bagasse 162-163, 167
 Bagby, M. O. 434-441
 Balsam 48
 Balsamic fragrance 427
 Bamboo 301
Bambusa 43
 Banana 212, 306, 344
Baphicacanthus 447
Baptisia 286
Barbilophozia 333
 Barley 7, 137, 143-145, 147, 150-151, 268, 270,
 301, 418, 464
Barringtonia 479-480, 483
Bartramia 315, 317
Basella 46, 51
 Basketry 170, 174
Bauhinia 348
Bazzania 315, 333
 Bead 217
 Beadle, George W. 508
 Beam 344
 Bean 50, 82, 89, 91-94, 266, 272, 300, 342, 344,
 401-402, 449, 451-478
 Bean, castor 50, 449
 Bean, common 89, 91-94, 272, 402, 451-478
 Bean cultivar 471
 Beans, cultivated 461-468
 Bean domestication 451-468
 Bean, faba 402
 Bean, jack 93
 Bean, lima 89, 91, 94, 342, 465, 477
 Bean, wild, origin 476
 Bean, winged 266
 Bedigian, Dorothea, and Jack R. Harlan, Evi-
 dence for cultivation of sesame in the an-
 cient world 137-154
 Bedigian, Dorothea, C. A. Smyth, and Jack R.

- Harlan, Patterns of morphological variation in *Sesamum indicum* 353-365
- Bed wetting 110
- Beer 36, 78
- Beet 6, 399, 402
- Begonia* 345-346
- Belladonna 10
- Benz, Bruce F. 69-77
- Benzoic acid 428
- Benzoin 427
- Bertholletia* 301
- Bestia* 320
- Beta* 399, 402
- Betula* 447
- Beverage 210, 215-216
- Bible incense 426
- Bioaccumulator 311, 337
- Bioactive compound 337
- Bioassay 283, 310
- Biochemical pathways 302
- Biocrude 162
- Biodynamic principles 103
- Bioenergy 162
- Biological activity 336
- Biologically active chemicals 310-338
- Biologically active constituents 204
- Biology, food, and people 265
- Biomass 161, 167, 186, 311, 382
- Biomass-producing systems 162
- Biotechnology 289, 296-299, 304
- Biosynthetic reactions 285
- Birdlime 197
- Birth-control chemicals 305
- Blackberry 401-402
- Bladder infection 447
- Blasia* 336
- Bleeding, stop 448
- Blindia* 320
- Bliss, F. A. 451-478
- Blood circulation aid 48-49, 51
- Blood purifier 110
- Blood sugar, lowered 245
- Blowgun 213-214
- Blumea* 446-447
- Bocconia* 345, 349
- Boesenbergia* 46
- Boil 45, 48-49, 205, 447, 449
- Boil maturative 447, 449
- Bolivia 409-424
- Book review editor 24-26
- Boone, Daniel 234
- Borneol 165
- Boswellia* 425-433
- Botanical drug 233-249
- Botanical gardens 299, 305-307
- Botanical illustrations 398-399
- Botanochemical crops 166-167
- Botany, role of 298-309
- Bougainvillea* 46, 51
- Bowl 215
- Brachythecium* 312, 317
- Bracken fern 449
- Bran 36
- Brandenburg, W. A. 397-408
- Brassica* 139-140, 399-405, 477
- Braunia* 324
- Brazil nut 301
- Breadfruit 306, 483
- Breadfruit fermentation 483
- Breeding, plant 289-297
- Breeding pools 297
- Bretting, P. K., Changes in fruit shape in *Proboscidea parviflora* ssp. *parviflora* (Martyniaceae) with domestication 170-176
- Breutelia* 317
- Breynia* 447
- Broken bones 47-51, 447
- Bromeliaceae 346
- Bronchial congestion 430
- Bronchitis 110
- Bronchodilatory 113
- Brotherella* 329
- Bruise 49, 110, 349-350
- Bryoandersonia* 315, 318, 336
- Bryophytes 310-338
- Bryhnia* 317
- Bryum* 319
- Buckwheat 48
- Buddleja* 111
- Buettneria* 46, 51
- Bukasov, Mikhailovich 300
- Bunchosia* 89, 91-94
- Burns 45-46, 48-51, 346, 350
- Brusera* 108
- Burseraceae 186
- Bye, Robert A., Jr., Medicinal plants of the Sierra Madre: Comparative study of Tarahumara and Mexican market plants 103-124
- Byrsonima* 212, 216, 218
- Cabbage 397, 399-405
- Cabecar 339-352
- Cacao 302, 339, 345, 350-351
- Cacao-fruit fungus 345
- Cactaceae 346
- Caesalpinia* 109, 119
- Cajanus* 28, 342
- Calabash 212
- Calamagrostis* 434, 437-439
- Calathea* 217-218
- Callicladium* 324
- Caloric value 376
- Calotropis* 447, 449
- Campa Indians 180
- Camphene 113, 427

- Camphor tree 447
Campylopus 320
Canarium 198
Canavalia 93, 215
Cancer 286
Cancer research 245
Cancer treatment 47-48, 310-338
Candle 178, 180, 182
Candy 246
Cankers 110
Canna 82-83, 86, 89, 92-93
Canthium 46
Capillary permeability reducer 113
Caprifigation 10-11
Capsicum 82, 89, 92-94, 175, 212, 216, 344, 350, 466-467
Carbohydrate, reserve 377
Carbohydrate residue 379-380
Carbohydrates, structural 379, 381
Carbonization 150, 269
Carcinogenic pyrrolizidine alkaloid 281
Cardiotonic 281
Carex 447
Careya 46
Carica 215, 301, 344, 346
Carlson, Alvar W., Ginseng: America's drug connection to the Orient 233-249
Carlson, Kenneth D. 54-68
Carludovica 347
Carminative 107, 113, 446-447
Carr, M. E., W. B. Roth, and M. O. Bagby, Potential resource material from Ohio plants 434-441
Carrot 399-400, 402-403, 405-406
Caryodaphnopsis 177
Casein 220, 224, 228-229
Casein precipitation 224, 228-229
Cassava 30, 36, 302, 305, 344, 467
Cassia 46
Castanea 220
Castilleja 109
Castor bean 50, 449
Caterpillar stings 50
Catharanthus 280, 284
Cathartic 110
Catimbium 46, 51
Catnip 282
Cauliflower 397, 400, 402, 404-405
Caulking 197
Cecropia 342, 348
Cedrela 344, 348
Celery 402
Cell biology 299, 303-304
Cell culture 314
Cell-culture methodology 285, 287
Cell-cytotoxicity assay 313
Cell-suspension cultures 285
Cellulose 377
Cell wall constituents 376, 381
Celosia 46, 48, 50
Centella 447
Center of origin 354, 359, 362
Centipede bite 45, 449
Central America 339-352, 452
Cephalotaxus 285
Ceratodon 321
Cerberum 480
Cereal 290, 293, 304, 407
Ceremonial cures 351
Ceremonial drink 482
Ceremony 345
Cestrum 217-218
Chamaedorea 349, 351
Changes in fruit shape in *Proboscidea parviflora* ssp. *parviflora* (Martyniaceae) with domestication, P. K. Bretting 170-176
Chapped lips 447
Charcoal samples 83
Charm 243, 351
Chemical composition of the water fern, *Salvinia molesta*, and its potential as feed source for ruminants, Mathew Moozhylil and Josef Pallauf 375-383
Chemosystematic study 311
Chemotherapeutic potential 310-338
Chenopodium 107-108, 215, 272, 418, 465
Cherry 401-402, 449
Chestnut 220-221
Chickpea 147
Chicle 189
Chihuahuan Desert 366-374
Childbirth 110
Childe, V. G. 268
Chills 110
Chiloscyphus 333
China 233, 243, 246
Cholesterol 245, 286
Chromatography 284, 436
Chromosome study 367-368
Chrysanthemum 46
Chrysophyllum 82, 345, 350
Cichorium 399, 401
Cigarettes 246
Circulatory stimulant 281
Circulatory system 110
Cirriphyllum 318
Cissus 46, 51, 345, 350
Cistus 429
Citrus 344, 349
Claopodium 311-312, 315, 331
Classification, genetic variation 361
Classification, infraspecific 353
Classification, plant-fluid 186-200
Claucium 490

- Clausena* 46, 49, 447
Clematis 342, 349
Clerodendrum 41, 46, 50-51, 447
Clidemia 348
Climacium 319
Clitoria 47
Clonal reproduction 373
Clone 304, 366, 372-373
Clone longevity 366, 372-373
Cloning 303
Cloth 216
Clove 300, 430
Club moss 50
Cluster analysis 299, 357-359, 362
Coatings 55, 57
Coating industry 58
Cob fragments, carbonized 271
Coca 94
Cocaine 279, 491
Cockscomb 46
Cocoa 344
Coconut 306, 344, 349
Cocos 306, 344, 349
Codeine 285, 485-497
Codeine source 485-497
Codeinone 489
Codonopsis 47, 447
Coffee 211, 216, 300, 339, 342, 348
Coffee rust 300
Coix 213, 217
Colchicine 314
Cold 107, 110, 113, 119, 215, 349
Cold-tolerance 373
Colic 110, 349-350
Collaborative research 298-309
Collection and evaluation of pearl millet (*Pennisetum*) germplasm from Malawi, S. Appa Rao, M. H. Mengesha, P. K. Sibale, and C. Rajagopal Reddy 27-37
Colocasia 47-48, 446-447
Colombia 469-478
Columnnea 347, 351
Colza 477
Comfrey 281
Commiphora 425, 429-431
Compositae 347
Conception aid 110
Condiments 107, 243
Congea 47
Congestion 107, 110
Conifers 214
Conocephalum 312, 332
Conservation programs 306
Constipation 234
Constituents, secondary 284
Construction 346-348
Construction timber 215
Contraceptive 110
Convolvulaceae 347
Copal 191
Coproliite 107
Coral tree 447
Corchorus 36
Cordage 216
Cordia 340, 342, 344, 346
Cork tree 448
Corn 69, 211, 213, 344, 350
Corn blight 293
Corn, hybrid 265, 295
Cornus 434, 436-440
Corylus 401
Cosmetics 205, 246, 426-427
Cosmonauts 245
Cosmos 108
Costa Rica 339-352
Costus 348, 350, 447
Cotton 89, 91-94, 149, 212-213, 294
Cough 46-47, 110, 349, 448-449, 488
Coumarin 115
Cowpea 30, 36
Cox, Paul Alan 479-484
Cragg, Gordon M. 310-338
Crataegus 281
Crataeva 47, 447
Cratoneuron 316
Cratoxylum 447-448
Cream, facial 245
Crescentia 212, 215
Crinum 47, 447
Critonia 73
Cronquist, Arthur. Reminiscences about Dr. Fulling 16-18
Cronquist classification 42
Crop breeding 298
Crop development 307
Crop ecology 28
Crop Evolution Laboratory, Univ. of Illinois 354
Crop improvement 303, 353, 361
Crop, new 304
Crop, noncentric 477
Cropping systems 344
Crop plant, origin 300
Crop plants 289-297
Crop productivity 291
Crop protection 201-209
Crop rating 435
Crop research 298-309
Crop sources, new 434
Crop varieties, introduction of 296
Crop yields 298-309
Cross pollination 363, 418
Crotalaria 47, 51, 447
Croton 490
Crown gall tumor 283

- Crude-oil substitute 162
Cryopreservation 304
Cryptothallus 337
Cucumber 401–402
Cucumis 399, 401, 402
Cucurbita 30, 36, 89, 91–94, 175, 212, 215, 344, 347, 399, 401–403, 467
Cultivated plants 264
Cultivated species, area of origin 267
Cultural diffusion 483
Cultural exchange crossroad 478
Cultural traditions 342
Curative herbs 103–124
Curcuma 47, 287, 342, 350
Cure-all 235
Currant 401–402
Currant, black 401
Cuts 46–50
Cyanogenic glycosides 78
Cyclohexane extraction procedure 372
Cydonia 400–402
Cymbopogon 217
Cynara 399, 401
Cypress 6
Cystic fibrosis 286
Cyst nematode 295
Cytoplasm, T 293–294
Cytostatic 281
Cytotoxicity 310, 311, 313–315
Cytotoxicity evaluation 314
Cytotypes 370
Dacryodes 195
Dalbergia 47, 51
Damar 191
Darwin, Charles 262
Date palm 398
Daucus 399–400, 402–403, 405–406
De Candolle, Alphonse 262, 265, 268
Decongestant 48, 216, 448–449
Demethylation of codeine 488
Demulcent 205, 448
Dendroalsia 320
Dendrogram 357–362
Dendroligotrichum 328
Dermatitis 447
Dermatological irritants 117
Derris 195, 202, 479–484
Desert, Egyptian 267
Desert, Peruvian 267, 271
Desert plants 162
Detasseling 293
Detergent fibre 376–377, 379–380
Detergent-fibre analysis 379–380
Devil's claws 170–176
Diabetes 110, 115
Diagnosis, traditional 103–104
Diarrhea 51, 110, 234, 245, 348–349, 447–448, 487
Dichodontium 312, 320
Dichondra 111
Dichorisandra 346
Dicotyledons 214–217
Dicranella 320, 336
Dicranoloma 320
Dicranopteris 47, 50, 447, 449
Dicranoweisia 320
Dicranum 320–321, 336
Didymodon 329
Dieffenbachia 346
Digestibility 375, 381
Digestive aid 47
Digitoxin 279
Digoxin 279
Dionaea 281
Dioscorea 47–48, 284, 344, 347
Dioscorides 10
Diosgenin 284
Diospyros 274
Diphyscium 315, 317
Diploid plants 366–374
Dipterocarpaceae 186
Dipterocarpus 192, 194, 197–198
Discriminant analysis 355, 359–361
Disease, genetic 286
Disease resistance 282, 289, 291, 298, 361
Disease-resistant varieties 291
Diseases, etiology unknown 286
Diseases, self-inflicted 286
Disease, viral 286
Dislocated joints 49
Distinguished Economic Botanist, 1986 125–126, 128
Distinguished Economic Botanist Award, 1985 1–3
Disturbed areas 345, 350
Diterpene 162
Diuretic 205
Doctrine of signatures 235, 351
Documentation, plant populations 69–77
Dogwood 437–440
Dombeya 47, 51
Domesticated plants 262, 265, 397–408
Domestication 301, 397
Domestication center 96, 100, 451–478
Domestication center, bean 469–478
Domestication centers, multiple 451–468
Domestication pattern, noncentric crop 477
Domestication, potato 409
Dorstenia 348
Dracaena 47
Dregea 447
Drepanocladus 316
Drought resistance 293

- Drought stress 302
Drug, adaptogenic 287
Drug, botanical 233-249
Drug dependency 286
Drug introduction, new 281
Drugs, plant 279-288
Drug, synthetic 486
Dryptodon 322
Duabanga 47-48, 51
Dumasia 47, 51
Dumortiera 315, 333, 336
Durian 300-301, 306
Durio 300
Dutch artists 397-408
Duvick, Donald N., Plant breeding: Past achievements and expectations for the future 289-297
Dye 186, 222, 342, 346, 348, 350
Dyera 194
Dysentery 45, 50, 345
Earache 45-46, 49-51, 110, 447
East Indies 479
Ebenaceae 274
Echinacea 286
Ecological race 361
Ecological relationships 366
Ecology 299, 301-302, 361, 366
Economic Botany 16-26, 264
Economic botany—a modern concept of its scope 263-264
Economic botany conference, 1958 264
Economic Botany, new editor 260
Economic botany: Past and future, Charles B. Heiser 261-266
Ectomycorrhizae 303
Edaphic endemism 366
Editor, new, *Economic Botany* 260, 396, 504
Edmund H. Fulling Award 125
Egypt, ancient 4-15
Egyptian love poetry 12-14
Eichhornia 378, 381
Einkorn 147, 270
Elaeis 305
Elastomers 67
Electrophoresis 299, 372, 451-453, 458, 460-464, 469-471, 473-475
Electrophoretic analysis 372
Electrophoretic patterns 452
Electrophoretic variation 470
Elephantopus 47, 447
Elephant's foot 47, 447
Eleusine 28
Eleutherine 47
Eleuthero 287
Eleutherococcus 246
Embalming 426, 430
Embelia 447
Emetic 177, 183, 447
Emilia 47
Emmenagogue 205, 430
Emollient 205
Encalypta 321
Endive 399, 401
Endopolyploids 372
Endorphine 492-493
Entada 47-48, 51
Entodon 322
Environmental degradation 201
Environmental stress 289, 292, 298
Epilobium 434, 436-438
Epiphytic fern 350
Epoxidation 57
Epoxy acid 54-68
Epoxy coatings 57
Equisetum 110, 347
Eradication measures 375
Ergotamine 279
Erosion 290, 303
Erosion of variability 273
Eryngium 109
Erysipelas 178
Erythea 212, 217-218
Erythrina 111, 215, 218, 345, 348, 447
Erythroxylum 94
Eschscholzia 489
Esdragole 113
Ester 189, 435
Ethanol 78
Ethiopia 54
Ethiopian Highlands 270
Ethnobotanical observations from Cabecar and Guaymi settlements in Central America, Donald L. Hazlett 339-352
Ethnobotany 28-30, 38-53, 210-219, 267-278, 299, 304-305, 339-352, 442-450, 479
Ethnobotany, Costa Rican 339-352
Ethnobotany of hill tribes of northern Thailand.
II. Lahu medicinal plants, Edward F. Anderson 442-450
Ethnobotany of hill tribes of northern Thailand.
I. Medicinal plants of Akha, Edward F. Anderson 38-53
Ethnobotany of the Jicaque of Honduras, David L. Lentz 210-219
Ethnomedical concepts 105
Eucalyptus 48, 448
Euchlaena 74
Eugenia 300
Eugenol 430
Euodia 448
Eupatorium 286, 448
Euphorbia 429, 439, 446, 448
Euphorbiaceae 347, 490-491
Euphrates River 270

- Eurhynchium* 318
Eurya 448
Euterpe 345, 349
Evidence for cultivation of sesame in the ancient world, Dorothea Bedigian and Jack R. Harlan 137-154
Evolution, domesticated crop 397-424
Evolution, potato 409-424
Expectorant 110
Extraction procedure 313
Extractives 189
Exudates, plant 186-200
Exzema 205
Eye disease 205
Eye irritation 349
Factor analysis 355-357
Factor loading 355
Fagopyrum 48, 51
Farm yields 298-309
Farnsworth, Norman 280
Fat 376
Fatigue 245, 348
Fatty acid 56, 166, 181-183, 435, 440
Fatty alcohol 435, 440
Febrifuge 107, 445, 447-449
Federal regulations 282
Feed, livestock 205
Feed source 375-383
Feedstock 162
Fern 50, 214
Fern, bracken 50
Fern, staghorn 50
Fertile Crescent 269-270, 272
Fertility promoter 233-234
Fertilizer-coating 205
Fertilizer, inorganic 265
Fever 45-46, 107, 113-115, 346, 348, 447
Fevillea 177-185, 345, 347
Fevillea—a new oil seed from Amazonian Peru, Alwyn H. Gentry and Richard H. Wettach 177-185
Fiber 347, 350, 375-376, 379
Fiber analysis 375
Ficus 6, 10-15, 48, 51, 212, 216, 401, 446, 448
Field mapping 412, 414-416
Fig 10-12, 48, 212, 401
Fig gashing 12
Fig scraper 11
Filbert 401
Film, baked 57
Filmforming characteristics 57
Fire starter 197
Fireweed 437-438
Firewood 215
Fissidens 322
Flanders 397-408
Flatulence 115
Flavonoid 115, 165, 186, 189, 198, 286, 436
Flavono-lignans 286
Flavorant 216, 348, 350, 425
Flax 6, 137-139, 143, 145-146, 150
Flemish artists 397-408
Flour 36
Fodder 36
Folklore 119, 280, 310
Folkloric usages 280
Folk medicine 120, 282, 311
Folk variety 421
Fontinalis 322
Food 210, 273, 292, 304
Food poisoning 48, 447
Food production 292
Food supply, world 273
Forage 222, 375-383
Forest products 177
Forest, tropical 301
Fosberg, F. Raymond 263-264
Fragaria 402-403
Fragrance 425, 427, 429-430
Frankincense 149, 425-433
Frankincense and myrrh, Arthur O. Tucker 425-433
Fruit stall 403
Frullania 333
Fuel 206
Fuelwood 301
Fulling, Edmund Henry 16-20, 261, 263
Fungal damage 302
Fungal diseases of crop relatives 302
Fungal pathogens 302
Fungi 292-293, 302-303, 305, 336, 345
Fungi, beneficial 302
Fungicide 238
Fungi, edible 305
Fungi, saprophytic 303
Fungi, stalk-rot 292-293
Fungus, cacao-fruit 345
Fungus treatment 347
Galactose 428
Galacturonic acid 428
Galinat, Walton C. 272
Garcinia 300, 306
Garden Club of America awards 508
Garlic 212, 282, 402
Garuga 45, 48
Gas chromatography 284
Gastrointestinal ailment 107, 110, 115, 119
Gathering 213
Genebank 305-306, 398
Gene conservation 266
Gene flow 362
Gene mapping 303-304
Genepool 294, 298-299, 409-410
Genepool, natural 298

- Gene pool, secondary 36
Gene preservation 266
Gene resistance 293
Genetic diversity 289, 293-298, 409, 416
Genetic diversity center 409
Genetic engineering 266, 289, 302
Genetic expression 362
Genetic improvement 289-290
Genetic manipulation 279
Genetic resources 353
Genetic uniformity 354
Genetic variation 353-365
Genital problems, male 45
Genotype 353, 359, 420-422
Genotype complexes 353
Gentry, Alwyn H., and Richard H. Wettach, *Fevillea*—a new oil seed from Amazonian Peru 177-185
Geographic race 361
Gepts, P., and F. A. Bliss, Phaseolin variability among wild and cultivated common beans (*Phaseolus vulgaris*) from Colombia 469-478
Gepts, P., T. C. Osborn, K. Rashka, and F. A. Bliss, Phaseolin-protein variability in wild forms and landraces of the common bean (*Phaseolus vulgaris*): Evidence for multiple centers of domestication 451-468
Geraniol 113
Germplasm 27-37, 54, 270, 295, 297-298, 304, 307, 366, 373, 469
Germplasm collections 69-77, 272, 274, 304-305, 340, 353, 363, 467
Germplasm conservation 300, 306
Gianno, Rosemary, Resin classification among the Semelai of Tasek Bera, Pahang, Malaysia 186-200
Gilbert, Michael G. 54-68
Gingelly 150, 354
Ginger, shell 45
Ginkgo 281
Ginseng 233-249, 282, 287
Ginseng: America's botanical drug connection to the Orient, Alvar W. Carlson 233-249
Ginseng cultivation 235-238
Ginseng exporting 238-242
Ginseng fed 246
Ginseng growers 242
Ginseng legislation 243
Ginseng Rush 246
Ginseng seed 244-245
Ginseng uses 245
Ginseng use, side effects 245
Ginseng, wild 242-243
Glands, swollen 47
Glochidion 48
Glyceryl ester 56
Glycoprotein 286
Glycoside 165
Gnaphalium 108
Gnetum 45, 48
Goldenrod 437-439
Goodman, Major M., Jr. 508
Gossypium 89, 91-94, 213, 216, 285, 467
Gossypol 285
Gouania 349
Gourd 89, 91-94, 347, 403
Grain crops 289-290
Grainge, Michael 201-209
Gramineae 347-348, 381
Grape 397-404
Grassland 340
Green Revolution 265
Green wave 282
Grimmia 322-323
Grindelia 155-169
Grindelia camporum: Potential cash crop for the arid Southwest, Joseph J. Hoffmann and Steven P. McLaughlin 162-169
Grindelic acid 162, 165
Gross energy 375
Groundnut 28, 30
Growth habit 355
Growth regulatory 204
Guadalcanal 479-484
Guatemala 69-77
Guava 82, 91-92, 212, 306
Guaymi 339-352
Guayule 366-374
Guilielma 305
Gum 188-189, 246, 425-426, 428-429
Gum arabic 189
Gum-resin 190-191
Gum substitute 205
Gumweed 155-161
Gutta 187, 434, 436, 439
Guttiferae 191
Gynerium 344, 347
Gynostemma 448
Gyrothya 332
Haematoxylon 109
Haiti 203
Hallucinogenic plants 105
Halotolerant 163
Hammock 342
Hardwood forests 301
Harlan, Jack R. 2-15, 125-126, 137-154, 353-365, 477
Harlan, Jack R., Lettuce and the sycomore: Sex and romance in ancient Egypt 4-15
Hawkes, J. G. 300
Hay, medium-grass 378, 380
Hazlett, Donald L., Ethnobotanical observations

- from Cabecar and Guaymi settlements in Central America 339-352
- Hazelnut 402
- Headache 107, 110, 113, 115, 119, 205, 346-349, 447
- Healing ritual 199
- Health-food stores 279, 281
- Heart ailment 110
- Hedwigia* 324
- Hedychium* 448
- Heer, O. 268
- Heiser, Charles B., Economic botany: Past and future 261-266
- Helbaek, H. 269
- Helichrysum* 48, 51
- Helicteres* 48, 51
- Heliotropium* 215, 218
- Hellebore 202
- Helminthosporium* 293
- Hemicellulose 377, 381
- Hemophilia 286
- Hemorrhoids 430
- Hepatitis 205, 286
- Hepatophyta 311
- Hepatoprotective drugs 286
- Herbal 261, 279, 406
- Herbalist 44, 104
- Herbal remedy 103, 281, 442-450
- Herbaria 76, 306
- Herb dealers 105
- Herbicide 265
- Hernández, Francisco 261
- Hernández-Xolocotzi, Efraim 128
- Heroin 485-487, 492
- Herpes 286
- Herzogiella* 324
- Heterosis 361
- Hevea* 10, 191, 305, 439
- Hide-powder method 220, 222, 224-226, 228-229
- High blood pressure 245, 282
- Hill, A. F. 261-263
- Hintonia* 109, 114-115
- Hodgsonia* 178
- Hoffmania* 349
- Hoffmann, Joseph J., and Steven P. McLaughlin, *Grindelia camporum*: Potential cash crop for the arid Southwest 162-169
- Holland 397-408
- Holomitrium* 321
- Homalothecium* 318
- Homoharringtonine 285
- Honduras 210-219
- Honey 149
- Hopea* 194, 196
- Hops 491
- Hordeum* 418
- Hormonal 204
- Hornworts 310-338
- Horsfieldia* 194
- Horticultural crops 397
- Hortus Malabaricus* 140
- House construction 214
- Houttuynia* 448
- Huang, H. F. 220-232
- Huauzontle 465
- Humulus* 491
- Humus 303
- Hunting 213
- Hybrid 290-291
- Hybridization 265, 289, 301, 373, 409-410, 418, 453
- Hybrid swarm 410
- Hydrocarbon 427, 434-436
- Hydrocarbon feedstock 439
- Hygrohypnum* 316
- Hylocomium* 315, 324, 336
- Hypparrhenia* 340, 342, 347
- Hypericaceae 191
- Hypertension 286
- Hypnum* 325
- Hypotensive 113
- Hypothermal 115
- Hypoxis* 281
- Hyptis* 216, 348
- Ichthyotoxic legume 479-484
- ICRISAT Center 27-28
- Illumination 186, 191, 347
- Ilitis, Hugh H., Duane A. Kolterman, and Bruce F. Benz, Accurate documentation of germplasm: The lost Guatemalan teosintes (*Zea*, Gramineae) 69-77
- Immunostimulants 286
- Immunotherapy 286
- Impatiens* 48
- Imperata* 46
- Import of palaeoethnobotanical facts, C. Earle Smith, Jr. 267-278
- Impotence treatment 245
- Inbred varieties 291
- Incense 186-187, 199, 243, 425-426, 429-430
- Incense wood 187
- India 203, 353, 362, 492
- Indigestion 115, 430, 446-448
- Indo-Pakistan subcontinent 203
- Industrial raw materials 434-441
- Industry, village-level 201-209
- Indus Valley 140, 270
- Infection 49, 110, 348, 448
- Infection, eye 110
- Infection, skin 110
- Inflammation 110
- Inga* 82, 92-94, 216, 218
- Injection doctors 44

- Insect attack 290
Insect bites 48, 349
Insecticidal synergists 138, 151
Insecticide 138, 146, 151, 202, 238, 311, 479
Insect pests 289
Insect pollinator 410
Insomnia 246, 447-448
Institute of Economic Botany, New York Botanical Garden 305
Institute of Plant Breeding, Leningrad 300
Intercropping 344
Intergeneric crosses 300
International Board for Plant Genetic Resources 300
International cooperation 298-309
International Potato Center, Peru 300
International prospects for cooperation in crop research, Donald L. Plucknett and Nigel J. H. Smith 298-309
Interspecific crosses 300
Intestinal parasites 215-216
Introgressed inbred 295
Introgression 294, 409-410, 416-417
Introgressive hybridization 410
Invariant characters 355
Ion exchange 284
Iostephane 108, 111, 117-118
Ipomoea 46, 48, 82, 87, 89, 91, 94, 344, 347, 467
Iran 426
Iraq 426
Iresine 48-51
Iris 448
Iron Age 138, 146
Irrigation 291
Isis 7
Isoelectric focusing 451, 469
Isoprene 189
Isothecium 325
Itching 46-48, 50, 447-449
Ithyphally 7
Ixicidal 430
Ixora 48
Jacaranda 48
Jarmo 269
Jatropha 48, 109, 347, 448
Jaundice 110, 178
Jicaque 210-219
Job's tears 213
Johns, Timothy 125, 409-424
Johns, Timothy, and Susan L. Keen, Ongoing evolution of the potato on the altiplano of western Bolivia 409-424
Juglans 400, 439
Jungermanniaceae 333
Jungle-product collection 187
Kaempferia 448
Kaempferol 165
Kalanchoe 48
Kale 405
Kava 482
Keen, Susan L. 409-424
Keesy, J. 220-232
Kenya 54
Ketone 113, 189
Kiaeria 321
Kidney ailment 110, 345, 348-349, 447
Kidney stones 447
Kindbergia 318
Kolterman, Duane A. 69-77
Labdanum 427, 429
Lactation aid 46-49, 110, 447-449
Lactuca 4-15, 398, 403, 489
Lactucarium 9
Lagenaria 89, 91-94, 347
Lahu medicinal plants 442-450
Landrace 294, 348, 362, 397, 451-469
Lantana 217-218
Laportea 447-448
Larrea 372
Larvicide 113
Lasiantha 108
Latex 10, 187-190, 448
Lauric acid 428
Lawrence Award 124, 136
Laxative 48, 110, 448-449
Leather 220-221
Leea 48
Legumes 274, 302, 349, 381, 479-484
Leishmaniasis 345-348
Lemon extract 189
Lentil 147
Lentz, David L., Ethnobotany of the Jicaque of Honduras 210-219
Lepidium 87
Leprosy 178, 205, 427
Leptodontium 329
Lescuraea 325
Lettuce 4-15, 398, 402-403, 489
Lettuce and the sycamore: Sex and romance in ancient Egypt, Jack R. Harlan 4-15
Leucobryum 321
Leucolepis 326
Leurocristine 279-280
Lexeme 482
Liana 177, 342
Liana, medicinal 342
Liatis 434, 436-440
Licuala 192
Lignan 138, 146, 151, 286
Lignin 375, 377, 381-382
Ligusticum 110, 115-116
Ligustilide 115
Ligustrum 439
Lily 398

- Limnophila* 48, 51, 448
Limonene 427, 430
Linnaeus 10
Linoleic acid 182, 428
Linseed 137, 139
Linum 137
Lipase 56
Lipid 286, 435
Lippia 111
Lip-salve 430
Liquidambar 210, 216
Lithocarpus 47–48, 51
Lithospermum 285
Litsea 47–48, 51, 109
Liverworts 310–338
Living collections 306
Loeselia 111
Loganiaceae 490–491
Lotus 6
Lousberg, Robert J. J. Ch. 485–497
Lucuma 89, 91–92, 94
Luffa 403
Lump treatment 47–48
Luteolin 165
Lycopersicon 175
Lygodium 48, 51
Lymph nodes, swollen 47
Lymphocytic leukemia assay 313
Lysergic acid 279
Lysine 57
Macadamia 345, 351
MacNeish, Richard 268
Macroelements, essential 381
Macromitrium 327
Magical plants 345, 351
Maize 27, 36, 69, 82, 92–94, 201–202, 213, 271–273, 290–296, 300–301, 464–465
Maize dwarf mosaic virus 291
Maize hybrids 292–294
Maize, origin 271
Maize research 296
Maize, secondary diversification center 465
Malaria 42, 46, 51, 110, 114, 447–448, 487
Malarial suppressant 114
Malawi 27–37
Malay archipelago 191
Malaysia 186–200, 479
Malesia 186
Malus 399–402
Malvaviscus 342, 348
Mangelsdorf, Paul C. 265, 300, 508
Mangifera 195, 212, 214, 300, 306
Mango 212, 300, 306
Mangosteen 300, 306
Mangrove 301
Manihot 30, 78–102, 213, 215, 302, 344, 347, 467
Manilkara 274
Manioc 78–102, 213
Manioc cultivation in Peru 82
Manioc starch 83–86
Manuscript requirements 396
Maple sugar 188
Marchantia 311, 333–334
Marchantiaceae 315
Marco Polo 233
Margosa tree 203
Marketing standards, new drugs 282
Marsupella 332
Mass selection for increased resin yield in *Grindelia camporum* (Compositae), Steven P. McLaughlin 155–161
Maternal-clan system 344
Maternity plant 48
Mauritia 274
Maytansine 314
McLaughlin, Steven P. 155–169
McLaughlin, Steven P., Mass selection for increased resin yield in *Grindelia camporum* (Compositae) 155–161
Medical pharmacopoeia 261
Medicinal plants 38–53, 103–124, 261, 342–343, 345, 350–351, 397, 442–450
Medicinal plants of the Sierra Madre: Comparative study of Tarahumara and Mexican market plants, Robert A. Bye, Jr. 103–124
Medicinal uses 339
Medicine 145, 186, 210, 282, 311, 425
Medicine, folk 44, 282, 311
Medicine, horse 45
Medicine man 43
Medicine, strength 44–50
Medicine, traditional 42, 44
Medicine, Western 44
Medlar 403
Melanesia 479–484
Melanochyla 195
Melia 203–204
Meliantriol 204
Melissa 281
Melon 399, 401–403
Membership, Society for Economic Botany 37, 259, 395
Mendel's laws 265
Mengesha, M. H. 27–37
Menstrual difficulties 245, 448
Mental disorder 345, 350
Meristem culture 304
Mesopotamia 137, 270
Mespilus 403
Mesquite 274–275
Mestizo culture 211
Metabolism rate regulator 245
Metabolites, secondary 285

- Metaneckera* 326, 336
Metasequoia 18
Methane gas generation 205
Methionine 57, 378
Mexico 103-124, 220-232, 366, 451-452, 465
Microbiology 299
Micromelum 448
Microtubule inhibition 314
Milkweed 447
Miller, John M., and Ralph A. Backhaus, Rubber content in diploid guayule (*Parthenium argentatum*): Chromosomes, rubber variation, and implications for economic use 366-374
Millet 27-37, 98, 144, 147-148, 150, 202
Millet, finger 28, 30
Millet, pearl 98
Milletia 49, 51
Millingtonia 448
Mimosa 222, 427
Mimusops 6
Minerals 379, 381
Mint 189, 430
Mniaceae 315
Mnium 326
Moghania 448
Mole 448
Molecular biology 299, 303-304
Molinieria 49, 51
Monarda 119
Monila 345
Monocotyledons 217, 304
Monocropping 292
Moozhiyil, Mathew, and Josef Pallauf, Chemical composition of the water fern, *Salvinia molesta*, and its potential as feed source for ruminants 375-383
Moraceae 348
Morphinan alkaloid 486
Morphinan alkaloid biosynthesis 489
Morphinan biogenesis 488-489
Morphinan derivative 485-497
Morphinan, natural source 485-497
Morphine 279, 285, 485-497
Morphine addiction 487
Morphine-like action 492
Morphine methylation 491
Morphological diversity 353-365
Morphotype 359, 362
Mortality reducer 245
Mosses, liverworts, and hornworts screened for antitumor agents, Richard W. Spjut, Matthew Suffness, Gordon M. Cragg, and Daniel H. Norris 310-338
Moss-fungal interaction 336-337
Moss-microbial association 337
Mouthwash 430
Mucuna 49, 342, 348
Multivariate analysis 355
Musa 47-48, 212, 217, 306, 344, 348
Muscular dystrophy 286
Mussaenda 49, 51
Mustard 138-139, 143
Mycology 298-299, 302-303
Mycorrhizae 302-303, 336
Mycorrhizal inoculation 303
My life as a book review editor: A review, John W. Thieret 24-26
Myristica 300
Myristic acid 428
Myrrh 425, 429-431
Myrrh, tincture 430
Nail polish 205
Narcotic analgesic 488
Narcotic drug 486
Narcotic drug, synthetic 486
Narcotic farm 492
Narcotic, nonaddicting 286
National Academy of Sciences member 508
National Cancer Institute 310-338
Native plant uses 339-352
Native stands 366, 373
Natural population 366
Natural products 310
Naval stores industry 162, 166, 168
Neckera 327
Necklace 217
Neem cake 205
Neem toothpaste 205
Neem tree 201-209
Nematocide 113
Nematode 289, 293
Nephelium 300, 306
Neptunia 49, 448
Neroli 427
Nervous disorders 215
Neurolaena 345, 347
Nicotiana 212, 217, 284
Nile Valley 268, 270
Nitrification-inhibiting properties 205
Nitrogen fertilizer 290-292
Nitrogen fertilizer, synthetic 290-291
Nitrogen fixation 303
Nitrogen-fixing bacteria 302
Nitrogen-fixing blue-green algae 336
Nitrogen-free extracts 376
Noncentric crop 477
Nonparametric correlation 367, 369-370
Norris, Daniel H. 310-338
Northern Regional Research Center 434
Nosebleed 347, 351
Notes 37, 124, 136, 219, 259-260, 508
Notholaena 111
Nuclear magnetic resonance spectroscopy 284

- Nucleoprotein 286
Nuphar 434, 436-438
Nut, Brazil 301
Nutmeg 300, 479
Nutritional value 375-383
Oats 301
Obesity 286
Oca 86
Ochoa, Carlos 300
Ocimum 49
Oenanthe 49
Ogallala aquifer 291
Ohio plants 434-441
Oil, castor 149
Oil, chenopodium 107
Oil constituents 439-440
Oil crop 137
Oil, edible 177
Oil, essential 113, 115, 165, 188-190, 197, 425, 428-431
Oil extract 435
Oil, fuel 177
Oil, linseed 54, 56, 139
Oil, myrrh 429, 431
Oil, neem 204-206
Oil, olibanum 427
Oil, olive 143
Oil, plant 434
Oil-rich genus 177
Oil-rich seeds 347
Oilseed 54-68, 137-154, 177-185
Oilseed crop 170
Oilseed plantation 177
Oil, semidrying 181
Oil, sesame 137-154, 361, 363
Oil, soybean 54, 56
Oil, triglyceride 55
Oil, vegetable 178, 188-189
Oil, vernonia 54-68
Oil, volatile 113
Oil yields 438-439
Oleic acid 182, 428
Oleo-gum resin 425-433
Oleo-resin 190-192, 197-198
Olibanum 425-433
Olive 142-143, 149, 398
Olympic-team trainee 245
Ongoing evolution of the potato on the altiplano of western Bolivia, Timothy Johns and Susan L. Keen 409-424
Onion 212, 398-400, 402
Open-pollinated varieties 290, 295
Operational taxonomic units 354
Opiate 485-497
Opiates, medical 486
Opium 9-10, 42, 49, 448, 485-497
Opium addiction: 42
Opium alkaloids 493
Opium poppy 49, 448, 485
Opium poppy cultivation 485
Oraflex 282
Orbygnia 305
Orchidaceae 349
Organic acid 434
Orient 233-249
Ornamentals 397
Oroxylum 43, 49
Orthodicranum 321
Orthotrichum 327
Oryza 344, 348, 477
Osborn, T. C. 451-468
Osiris 7
Outcrossing 294
Oxalis 86
Oxystelma 49
Pachyptera 49, 51
Pachyrhizus 87, 94, 467
Packera 108
Paederia 49, 448
Pain 46, 49, 50, 107, 110, 115, 286, 347
Paintings 397-408
Palaeoethnobotany 267-278
Palaquium 194
Pallauf, Josef 375-383
Palm 6, 212-213, 217, 305, 344-345, 347, 349, 351, 398
Palm, African oil 305
Palm, babassu 305
Palm, coyol 212-213, 217
Palm, date 398
Palm fruit 274
Palmitic acid 182
Palm leaves 344
Palm leaves, fan 192
Palm, peach 305, 344
Palm thatch 212
Panacea 246
Panama 339-352
Panax 233-249, 287
Pandanus 448, 483
Panicum 144
Papaver 9, 49, 285, 448, 485-486, 490
Papaya 301, 344
Paraleucobryum 321
Paralysis, partial 48
Parasites, intestinal 345, 347
Parathesis 216, 218
Parkinsonism 286
Parsnip 401-403, 406
Parthenium 366-374, 439
Passiflora 177
Passion fruit 177
Pastinaca 401, 403, 406
Patent protection 282

- Pathogen 285
Pathogen resistance 293
Patterns of morphological variation in *Sesamum indicum*, Dorothea Bedigian, C. A. Smyth, and Jack R. Harlan 353-365
Patuletin 113
Payena 194
Pea 140, 402, 464
Peanut 82, 89, 91-94, 212
Pea, pigeon 342, 348
Pear 399-402
Pearl millet 27-37, 98
Pearson's correlation coefficient 355
Pectin 380
Pectis 119
Pelargonic acid 428
Pellia 312, 334
Pennisetum 27-37, 144
Pentaspadon 195
Peperomia 262, 349
Pepper 82, 89, 92-94, 175, 212, 344
Peptides, animal 492
Perdue, Robert E., Jr., Kenneth D. Carlson, and Michael G. Gilbert, *Vernonia galamensis*, potential new crop source of epoxy acid 54-68
Perfume 246, 427, 430
Periwinkle, Madagascar 280
Persea 82, 89, 91-94, 177, 212, 216, 306, 344, 348
Peru 78-102, 177
Pest control 201-209, 301
Pest damage 201
Pesticides 201-209, 238, 265, 301
Pesticide, synthetic 201
Pest problems 292, 344
Pest resistance 201, 295, 298
Petrochemicals 275
Petroleum 275
Peucedanum 48-51
Pharmacology 488
Phaseolus 82, 89, 91-94, 111, 215, 218, 272, 300, 342, 344, 348, 401, 451-478
Phaseolin patterns 464
Phaseolin-protein variability in wild forms and landraces of the common bean (*Phaseolus vulgaris*): Evidence for multiple centers of domestication, P. Gepts, T. C. Osborn, K. Rashka, and F. A. Bliss 451-468
Phaseolin types 473-474
Phaseolin variability among wild and cultivated common beans (*Phaseolus vulgaris*) from Colombia, P. Gepts and F. A. Bliss 469-478
Phenol 286
Phenolic acid 165
Phenolic compounds 224, 381
Phenolic content 227, 229
Phenotypic diversity 353
Phenylalanine 57
Philonotis 317
Phlogacanthus 49, 51
Phoebe 49, 51
Phoradendron 110
Photoperiod 354, 363
Photoperiod-sensitive type 34
Phyllanthus 215, 218
Physic nut 448
Phystostigmine 279
Phytoalexins 285
Phytolacca 216
Phytopharmaceuticals 281
Pigeonpea 28, 30, 32
Pilotrichella 326
Pimenta 216, 218
Pineapple 46
Pinene 113, 165, 428, 430
Pine-oak forest 210, 214-217
Pine-oak-sweet gum forest 210, 214, 216
Pine, pitch 189
Pinus 49, 188, 210, 212, 214, 448
Piper 349, 448, 482
Pipe tobacco 217
Piscicide 311
Pitch 188
Pitch pine 448
Pizarro, Hernando 82
Plagiomnium 311-312, 315, 326, 336
Plagiothecium 327, 336
Plantago 50, 448
Plantain 344, 448
Plant breeding: Past achievements and expectations for the future, Donald N. Duvick 289-297
Plant-cell-culture methodology 284
Plant domestication 466-467
Plant-drug development 280-282
Plant drugs in the twenty-first century, Varro E. Tyler 279-288
Plant drug standardization 281
Plant extracts 280
Plant interactions 301
Plant physiology 299, 302
Plant screening program 434
Plant use, prehistoric 267
Plasmid 304
Plastic 67
Plastic formulations 54
Plastic industry 58
Plasticizer 55, 57
Plasticizer, primary 57
Plasticizer-stabilizers 57
Platycerum 50-51
Pleurozium 322

- Pliny 9
 Ploidy 366, 372
 Ploidy level, 412
 Plucknett, Donald L., and Nigel J. H. Smith, International prospects for cooperation in crop research 298-309
 Plum 399, 403
Plumbago 109
 Pod, nonshattering 466
 Podophyllotoxin 314
Pogonatum 328
 Poison, fish 198, 479-484
 Poisoning antidote 178
 Poisonous leaves 47
 Poisonous plants 110, 186, 202, 222
 Pollination 301
 Pollination biology 410, 418
 Pollination mechanism 302
 Pollination studies 412-414
 Pollutant biomonitor 311
Polygonum 50
 Polyisoprene 434, 439
 Polymerization 190
 Polymer networks 67
 Polymorphism 363
 Polynesia 479-484
 Polypeptide 452, 467
 Polyphenol 434-436, 439
 Polyploidy 366
Polypodium 214, 218
 Polysaccharide 286, 428
 Polystyrene 67
Polytrichastrum 328
Polytrichum 310-311, 315, 328, 336
 Pomegranate 402
 Pond lily 437-438
 Poppy 9-10, 448, 485-497
 Poppy, California 489
 Poppy, Mexican 489
 Poppy, opium 448
 Poppy, oriental 491
Porella 334
Porotrichum 327
 Potato 78, 82-83, 86-87, 89, 91, 94, 300, 409-424
 Potato agriculture 411
 Potato berry 418
 Potato clone 421
 Potato-disc assay 283
 Potato domestication 422
 Potato evolution 409-424
 Potato, freeze-dried 422
 Potato, sweet 48, 82, 87, 89, 91, 94, 344, 467
 Potato virus disease 303
 Potential of the neem tree (*Azadirachta indica*) for pest control and rural development, Saleem Ahmed and Michael Grainge 201-209
 Potential resource material from Ohio plants, M. E. Carr, W. B. Roth, and M. O. Bagby 434-441
 Pot herb 345
Pothomorphe 349
 Pottery 80
 Poulitice 46-47, 49-51, 447-448
Pouteria 274, 345, 350
 Pozorski, Shelia 78-102
 Pozorski, Thomas 78-102
Pratia 50, 448
 Precipitation method 220
Premna 50
 Principal components analysis 355
Proboscidea 170-176
 Procaine 279
 Productivity 289
 Productivity, annual 375
 Prolongation, life 233
 Propagation 304, 350-351
Prosopis 82, 111, 274-275
 Prostate adenoma 281
 Protective coating 54
 Protein 221, 274, 286, 434-436, 451-468
 Protein, crude 376, 378, 380
 Protein, seed 452, 469-478
 Protein, seed-storage 469
 Protein, storage 452, 464
 Protein synthesis stimulator 245
 Protoplast fusion 303
 Prune 402
Prunus 111, 399, 401, 403, 449
Psacalium 108, 115, 117
Pseudobraunia 324
 Pseudograins 272
Psidium 82, 91-92, 212, 216, 306, 344, 349
Psymorchis 349
Pteridium 50, 449
Pterigynandrum 322
Pterogonium 326
Pteropepon 179
Ptilium 325
 Pulse crops 302
 Pumpkin 36, 399, 401-403
 Purgative 50, 110, 177, 183, 205, 347, 448-449
 Purgative, poisoning 178
Pyrenaria 50, 52
 Pyrethrum 202
Pyrus 399-401
 Quebracho 220-222, 225
 Quercetin 165
Quercus 210, 212, 215
 Quince 400-402
 Quinine 114, 262
 Quinoa 272, 418

- Quinone 285-286
Race horse 245
Racomitrium 323, 336
Radioactive precursor 489
Radiocarbon dates 83
Radish 6, 138-139, 143, 402, 477
Raffauf, Robert F., *Recollections of an associate editor* 24
Rainforest 186, 303, 305
Rain tree 449
Rambutan 300, 306
Rao, S. Appa, M. H. Mengesha, P. K. Sibale, and C. Rajagopal Reddy, *Collection and evaluation of pearl millet (*Pennisetum*) germplasm from Malawi* 27-37
Rape 138, 143, 399, 401-403
Raphanus 477
Rash 46, 49-50, 447
Rashka, K. 451-468
Raspberry 50, 399-400
Rat bite treatment 51
Rattan 187, 192
Rauwenhoffia 50
Rauwolfia 490
Raw hides 220
Reboulia 334
Recollections of an associate editor, Robert F. Raffauf 24
Recombinant DNA research 303-304
Reddy, C. Rajagopal 27-37
Region of the Euphrates 268
Reminiscences about Dr. Fulling, Arthur Cronquist 16-18
Reminiscences of seventeen years of a rewarding experience, Richard Evans Schultes 20-23
Reineckia 350
Repellent, insect 204
Replication 292
Research, innovative 282
Resin 113, 155-165, 186-200, 368-370, 425, 427, 429-430
Resin, aromatic 187, 199
Resin classification among the Semelai of Tasek Bera, Pahang, Malaysia, Rosemary Giannio 186-200
Resin ducts, multicellular 163-164
Resin glands, multicellular 163-164
Resinoid 430
Resistance genes 301
Resistant crop varieties 298
Respiratory tract irritation 488
Reticuline 489
Retonon 373
Rheumatism 110, 115, 117, 178, 205, 246, 348, 350
Rhipsalis 346
Rhizomnium 326, 336
Rhodobryum 311, 319
Rhus 50, 52, 434-440
Rhytidadelphus 329
Rhytidium 329
Ribes 401
Rice 142, 149, 201-202, 275, 344, 348, 477
Ricinus 46, 50, 149, 317, 449
Rickard, Paul P., and Paul Alan Cox, *Use of *Deris* as a fish poison in Guadalcanal, Solomon Islands* 479-484
Rick, C. M. 508
Rig Veda 202
Ringworm 46
Ritual 42, 345, 481-482
Rodenticide 202
Roellia 319
Rogers, David J. 264
Roofing 349
Roof thatch 217
Root crop species, Peruvian 87
Root sprouting 372
Rose 398
Rosin 162, 166-167, 435
Rostrum 171-172, 174
Rotational crop 302
Rotenone 198, 479
Roth, W. B. 434-441
Rubber 189, 305, 366-374, 434, 436, 439
Rubber content in diploid guayule (*Parthenium argentatum*): Chromosomes, rubber variation, and implications for economic use, John M. Miller and Ralph A. Backhaus 366-374
Rubber plasticizing agent 439
Rubber tree 191
Rubus 46, 50, 399-401
Rural development 201-209
Rutaceae 349
Rye 147, 270, 302
Saccharum 217
Sahel 206
Salanin 204
Salicin 279
Salicylaldehyde 113
Salt tolerance 206
Salutaridine 490-491
Salvia 281
Salvinia 375-383
Samanea 449
Sanionia 316
Santiria 195
Sap 188-189
Sapindus 92
Saponin 107, 479
Sapotaceae 350
Sapotes 274
Saraca 50, 52

- Saurauia* 213–214, 218, 449
Savannas 342
Scapania 334
Scheelea 274, 342, 349
Schinopsis 220, 222
Schisandra 282, 286–287
Schistidium 323
Schubert, Bernice 265
Schultes, Richard E. 20–23, 265, 508
Schultes, Richard Evans, Reminiscences of seventeen years of a rewarding experience 20–23
Sciaromium 316
Scleropodium 318
Scorpion sting 448
Scouleria 323
Screening methods 313–315
Screw pine 448
Scrofula 205
Scurrula 50
Sealant 186
Search for new natural sources of morphinans, Hubert G. Theuns, H. Leo Theuns, and Robert J. J. Ch. Lousberg 485–497
Secale 270
Secchium 212, 215, 344, 347
Sedative 281–282
Seed color, nonmimetic 466
Seed dispersal 418
Seed dormancy 466
Seed size 471
Seigler, D. S., S. Seilheimer, J. Keesy, and H. F. Huang, Tannins from four common *Aca-*
cia species of Texas and northeastern Mexico 220–232
Seilheimer, S. 220–232
Selaginella 50, 110
Selection 373
Selective breeding 366
Selective solvent extraction 284
Selfing 289
Self-pollinated plants 354
Sematophyllum 329
Semelai 186–200
Senna 215
Serendipity 280
Serpentine 284
Sertürner 487
Sesame 137–154
Sesame accessions 354
Sesame origin 140–142
Sesamin 138, 151
Sesamolin 138, 151
Sesamum 353–365
Sesquiterpene 115
Sesquiterpene hydrocarbon 427, 430
Sesquiterpene lactones 58
Sesquiterpenoid 165, 189, 430
Setaria 144
Sexual stimulant 233, 245
Shade tree 205
Shaman 42, 104–105, 342–343, 345, 349–351
Shaman ceremonies 349
Shampoo 138, 245–246
Shorea 50, 52, 194, 196–197
Shrimp, brine 283
Sibale, P. K. 27–37
Siberian ginseng 246
Sickle-cell disease 286
Sida 449
Sideroxylon 274
Sierra Madre 103–124
Silica content 376
Silybum 281, 286
Silymarin 286
Sinapis 139–140
Sindora 195
Siolmatra 179
Siparuna 342, 348–349
Sisal 45
Skin disease 50
Skin eruption 245
Skin irritant 107
Skin lotion 245
Skin problems 447
Slash and burn agriculture, 39, 210, 213, 215, 217, 442
Sleep aid 110
Smilax 50, 52
Smith, C. Earle, Jr., Import of palaeoethnobotanical facts 267–278
Smith, Nigel J. H. 298–309
Smoking 286
Smyth, C. A. 353–365
Snack 170
Snake bite 49–50, 178, 346–347, 351, 448
Soap 138, 145, 178, 205, 245–246
Soap manufacture 178, 205
Society for Economic Botany 1–3
Society for Economic Botany, annual meeting 219
Society for Economic Botany, annual meeting report 125–128
Society for Economic Botany, council 127
Society for Economic Botany, founding 261, 264
Society for Economic Botany, membership 37, 259, 395
Society for Economic Botany, publication committee 127
Society of Ethnobiology, 10th Annual Conference 508
Socratea 344, 349
Sodium nimbinate 206
Solanum 48–52, 78, 82, 86–87, 89, 91, 94, 109, 300, 345, 352, 409–424

- Solena* 449
Solidago 434, 437-439
Solomon Islands 479-484
Somaclonal variation 304
Somalia 429
Soporific 4
Sores 45-46, 48, 50-51, 110, 114
Sore throat treatment 119
Sorghum 6, 27-28, 30, 32, 34, 98, 144, 202, 290-291, 293, 296, 477
Sorghum hybrids 294
Soul loss 43-44
Southeast Asia 186-200
South Korea 243, 245
South Pacific 479-484
Southwestern United States 220-232
Soviet Academy of Sciences' Ginseng Committee 245
Soybean 290-291, 293-296, 464
Spanish chroniclers 81
Spasmolytic 113, 115
Spathiphyllum 346
Spatholobus 51, 52, 449
Spearman's rank correlation coefficients 369-370
Spectrometry 284
Spermicidal 206
Sphaeropteris 347
Sphagnaceae 315
Sphagnum 330, 336
Spider bite soother 215
Spjut, Richard W., Matthew Suffness, Gordon M. Cragg, and Daniel H. Norris, Mosses, liverworts, and hornworts screened for anti-tumor agents 310-338
Spleen trouble 49-51
Spondias 212, 214, 218, 345-346
Spruce gum 189
Spruce, R. 180
Spurge tree 448
Squash 89, 91-94, 175, 212, 344
Stabilizers 55
Staghorn sumac 437-440
Stalk-rot fungi 292-293
Starch grains 83
Starch, manioc 83-86
Statistical significance test 370
Stearic acid 182-183
Steere, William C., Edmund H. Fulling 18-20
Stemona 51
Sterculiaceae 350
Sterility, female 292
Sterol 165, 439
Stevia 215, 218
Stimulant 233, 245, 427
Stomachache 45-51, 110, 113, 215-216, 447-449
Storax 427
Stored-grain pest control 204
Strawberry 402, 407
Stress 245, 285-286
Strobilanthes 48-52
Stroke 48
Strychnos 490
Styrax 449
Suffness, Matthew 310-338
Sugar 435
Sugarcane 202
Sugar maple sap 189
Sumac 50
Sunflower, Mexican 449
Swelling reducer 45-51, 347, 349, 448
Swidden agriculture 39, 187, 442, 444
Switzerland lake beds 267
Sycomore 4-15
Sycomore fig 4
Syconium 4, 10-11
Sycophant 10
Symbiosis 337
Symphytum 281
Syrrophodon 319
Systematics 299-301
Syzygium 449
Tadehagi 51, 52
Tagetes 107-108, 113-114
Tagetone 113
Tannin 107, 113, 189, 375-376, 378, 380-382, 435, 479
Tanning, hides 220
Tannins from four common *Acacia* species of Texas and northeastern Mexico, D. S. Seigler, S. Seilheimer, J. Keesy, and H. F. Huang 220-232
Tarahumara 103-124
Taximetric analysis 353, 356
Taxonomy 299-301, 310
Taxon variability 362
T cytoplasm 293-294
Tea 47-48, 107, 114-115, 119, 214-215, 217, 243, 246, 281, 346-350
Tea, herbal 281
Teak 449
Technology, village-level 202
Tectona 447, 449
Teeth cleaner 205
Tehuacán archaeological botanical project 268
Tehuacán Valley 271
Telfairia 178
Teosinte 69-77, 271, 301
Tephrosia 482-483
Termite-resistant wood 205
Terpene 189, 435
Terpenoid 115, 186, 286
Terpineol 165, 189
Tetrahydrofuran extraction procedure 372
Tetraphis 330, 335

- Tetraploids 368, 370
Textiles 80
Thailand 38–53, 442–450
Thalidomide 282
Thamnobryum 327
Thatting 349
Thebaine 486–487, 490–493
Theobroma 302, 344–345, 350
Theophrastus 11
Theuns, H. Leo 485–497
Theuns, Hubert G., H. Leo Theuns, and Robert J. J. Ch. Lousberg, Search for new natural sources of morphinans 485–497
Thieret, John W. 24–26, 260, 396, 504
Thieret, John W., My life as a book review editor: A review 24–26
Thin-layer chromatography 284
Thread 216
Thuidium 312, 331
Thuja 286
Thunbergia 51–52
Thyme 430
Tigris River 270
Tillering 34
Timber 206, 211
Timmia 331
Tippo, Oswald 22, 128, 265
Tissue culture 302, 304, 491, 493
Tithonia 449
Tobacco 202, 212, 217
Tobacco, pipe 217
Toddalia 51
Tomato 175
Tonic 50–51, 233–234, 446–448
Toothache 119, 215, 447
Toothpaste 430
Torch 214
Torch resin 191
Torch technology 186
Tortilla 213
Tortula 315, 329, 336
Toxic dose, lowest (TD) 314
Toxicity 281, 336
Toxin 302
Trace elements 379, 381
Trachybryum 318
Trading center, ginseng 234
Tradition 342, 351
Traditional medicine 442–450
Tranquilizer 113
Trapa 51
Tree fern 347
Trichoclea 312, 335
Triglyceride 56, 155, 181
Triglyceride ester 440
Triomma 195
Tripsacum 69, 74
Triterpenoid 107, 204
Triticum 265, 268–270, 398
Trivernolin 56
Tropaeolum 87
Tropical botany awards for field work 508
Tropical forests 301
Tropics, American lowland 274
Tropone 165
Tryptophan 376
Tuberculosis treatment 41, 46–47, 50
Tubulin-binding agent 314
Tucker, Arthur O., Frankincense and myrrh 425–433
Tulip 399, 406
Tumor inhibitor 58
Turkey 485, 492
Turmeric 287
Turnip 402
Turpentine 166, 189
Tyler, Varro E., Plant drugs in the twenty-first century 279–288
Ubiquinone 284
Uneconomic botany 299
Ugent, Donald, Shelia Pozorski, and Thomas Pozorski, Archaeological manioc (*Manihot*) from coastal Peru 78–102
Ulcers 51, 110, 117, 205, 347, 430, 448
Ullucus 87
United Nations 485–486
United Nations Commission on Narcotic Drugs 486
U.N. Resolution 471, 491
U.S. National Germplasm System 295
Urtu 146–147
Urera 350
Urinary ailments, 110, 119, 348, 447–448
Use of *Derris* as a fish poison in Guadalcanal, Solomon Islands, Paul P. Rickard and Paul Alan Cox 479–484
Use of paintings from the 16th to 19th centuries to study the history of domesticated plants, A. C. Zeven and W. A. Brandenburg 397–408
Vaginal ailments 110
Valeriana 281
Valine 378
Vanda 51
Variability 458
Variation, continuous 353
Varnish 191, 197
Vasodilatory action 115
Vavilov, N. I. 262, 268, 271, 300, 305, 477
Vavilov effect 362
Vedic scriptures 137, 142
Vegetable market 399, 402
Veratrum 202
Verbenol 427

- Verhoek, Susan 128
Vermifuge 107, 110, 448
Vernolic acid 54
Vernonia 51-52, 54-68
Vernonia galamensis, potential new crop source
 of epoxy acid, Robert E. Perdue, Jr., Kenneth D. Carlson, and Michael G. Gilbert
 54-68
Viburnum 51-52
Vicia 401
Vigna 30
Vinca 314
Vincalucoblastine 280
Virginia creeper 404
Viscum 281
Vitamin deficiency 47
Vitamin preparations 245
Vitis 399, 403-404
Vittaria 350
Vomiting 103, 346
Wallace, A. 180
Walnut 400
Wart 448
Water chestnut 51
Water fern 375-383
Water hyacinth 381
Watershed protection 301
Wattle 220-222, 225
Wax 155, 434-436
Weaving 346, 348-350
Weed 270, 302, 382, 409, 412, 415-416, 418-419
Weed, conspecific 409
Weed control 290
Weed potatoes 422
Weende analysis 376, 379-380
Wettach, Richard H. 177-185
Wheat 7, 140, 149-150, 202, 268-270, 272-273, 290-291, 294, 296, 301, 397-398, 407, 464
Wheat, emmer 7, 147, 269-270
Wheat variability, secondary centers 270
Widexcrossing 300, 304
Wild species 298
Wine 217
Wintergreen 430
Wisconsin 233, 246
Wood 210
World population 273
World's food production 201
Worm killer 50
Wounds 47, 110, 346, 348, 350, 430, 448
Xanthosoma 346
Xerophytic 163
X-ray crystallography 284
Xylopia 346
Yam 344
Yield gains 290-293
Yield-reducing input 290
Yucca 51, 111
Zea 27, 69-77, 82, 92-94, 213, 217-218, 271, 300-301, 348
Zeven, A. C., and W. A. Brandenburg, Use of paintings from the 16th to 19th centuries to study the history of domesticated plants 397-408
Zingiberaceae 350
Zornia 109

(Indices prepared by Barbara Renault, Karen Nelson, and Claire Johnson.)

INDEX TO BOOK REVIEWS AND ANNOTATED BIBLIOTHECA IN VOLUME 40

- Abbott, Lois A., Frank A. Bisby, and David J. Rogers, Taxonomic analysis in biology: Computers, models and databases 507
- Adaptive responses of native Amazonians, Raymond B. Hames and William T. Vickers, ed. 374
- Advances in applied biology, Volume 10, T. H. Coaker, ed. 129
- Advances in botanical research, Volume 11, J. A. Callow and H. W. Woolhouse, ed. 255
- Affolter, James M., A monograph of the genus *Lilaeopsis* (Umbelliferae) 257
- Agricultural economics and agribusiness, ed. 3, Gail L. Cramer and Clarence W. Jensen 255
- Air pollution and plant life, Michael Treshow, ed. 255
- AMA handbook of poisonous and injurious plants, Kenneth F. Lampe and Mary Ann McCann 250-251
- Ammirato, P. V., D. A. Evans, W. R. Sharp, and Y. Yamada, ed., Handbook of plant cell culture, Volume 3: Crop species 254
- Antibiotics and their complexes, Helmut Sigel, ed. 255
- Antorveza, Myriam and Adolfo Triana 256-257
- Apomixis and its role in evolution and breeding, D. F. Petrov, ed. 365
- Applied plant virology, D. G. A. Walkey 255
- Ashmead, Harvey H. 505
- Ashmead, H. DeWayne, Harvey H. Ashmead, Gene W. Miller, and Hsin-Hung Hsu, ed., Foliar feedings of plants with amino acid chelates 505
- Ascher, K. R. S. 257
- Atkin, R. K. 259
- Ayensu, Edward S. 133-134, 253-254
- Ayensu, Edward S., Vernon H. Heywood, Grenville L. Lucas, and Robert A. Defilippis, Our green and living world: The wisdom to save it 253-254
- Bajaj, Y. P. S., ed., Biotechnology in agriculture and forestry. Vol. 1: Trees I 385-386
- Baker, N. R., W. J. Davies, and C. K. Ong, ed., Control of leaf growth 505
- Barnard, Carolyn M., and Loren D. Potter, New Mexico grasses: A vegetative key 257
- Beadle, C. L., S. P. Long, S. K. Imbamba, D. O. Hall, and R. J. Olemba, Photosynthesis in relation to plant production in terrestrial environments 507
- Bell, Lillian A., Papyrus, tapa, amate and rice paper: Papermaking in Africa, the Pacific, Latin America and southeast Asia, ed. 2 257
- Bell, Lillian A., Plant fiber for papermaking 102
- Benezra, Claude, Georges Ducombs, Yves Sell, and Jean Fousseureau, Plant contact dermatitis 408
- Bernard, Bruce K., ed., Flavor and fragrance materials—1985 256
- Biology of rice, S. Tsunoda and N. Takahasi, ed. 255
- The biophysical basis of excitability, Hugo Gil Ferreira and Michael W. Marshall 505
- Biotechnology in agriculture and forestry. Vol. 1: Trees I, Y. P. S. Bajaj, ed. 385-386
- Bisby, Frank A. 507
- Boden, R. 256
- The book of bamboo, David Farrelly 384
- The botany and natural history of Panama: La botanica e historia natural de Panama, William G. D'Arcy and Mireya D. Correa A., ed. 384-385
- Brief book: Biotechnology and genetic diversity, Steven C. Witt 498
- Briggs, J. 256
- Brindley, Marianne, The symbolic role of women in Trobriand gardening 258
- Brockmann-Jerosch, H., The oldest useful and cultivated plants 506-507
- Brooks, R. R., and F. Malaisse, The heavy metal-tolerant flora of southcentral Africa: A multidisciplinary approach 506
- Brown, D. H., Lichen physiology and cell biology 506
- Brundage, Burr Carwright, Lords of Cuzco: A history and description of the Inca people in their final days 257
- Burgess, Jeremy, An introduction to plant cell development 506
- Burkill, H. M., The useful plants of west tropical Africa, ed. 2, vol. 1, families A-D 176
- Callow, J. A., and H. W. Woolhouse, ed., Advances in botanical research, Volume 11 255
- Carrizales, Victor, El cazabe: Un legado aborigen 386
- Cassleton, L. A. 505
- El cazabe: Un legado aborigen, Victor Carrizales 386
- Cell ageing and cell death, I. Davies and D. C. Sigee, ed. 255
- C₄ grasses and cereals: Growth, development, and stress response, C. Allan Jones 505
- Chadwick, C. M., and D. R. Garrod, ed., Hormones, receptors and cellular interactions in plants 506
- Chaumeil, Jean-Pierre, Voir, savoir, pouvoir: Le

- chamanisme chez les Yagua du nord-est Peruvien 259
- Cheeke, Peter R., and Lee R. Shull, Natural toxicants in feeds and poisonous plants 185
- Chemically mediated interactions between plants and other organisms, Gillian A. Cooper-Driver, Tony Swain, and Eric E. Conn, ed. 255
- The chemistry and biology of isoquinoline alkaloids, J. D. Phillipson, M. F. Roberts, and M. H. Zenk, ed. 505
- Chemotaxonomie der Pflanzen, Volume 7, R. Hegnauer 450
- Clarke, G. C. S. 249
- Clewell, Andre F., Guide to the vascular plants of the Florida Panhandle 506
- Clifford, M. N., and K. C. Willson, ed., Coffee: Botany, biochemistry and production of beans and beverage 424
- Coaker, T. H., ed., Advances in applied biology, Volume 10 129
- Coffee: Botany, biochemistry and production of beans and beverage, M. N. Clifford and K. C. Willson, ed. 424
- Colombetti, Giuliano, Francesco Lenci, and Pill-Soon Song, ed., Sensory perception and transduction in aneural organisms 258
- Conn, Eric E. 255
- Conner-Ogorzaly, Molly 499-500
- Contributions to systematic bryology, Missouri Botanical Garden 255
- Control of leaf growth, N. R. Baker, W. J. Davies, and C. K. Ong, ed. 505
- Cooley, June H., and Frank B. Golley, ed., Trends in ecological research for the 1980s 259
- Cooper-Driver, Gillian A., Tony Swain, and Eric E. Conn, ed., Chemically mediated interactions between plants and other organisms 255
- Correa A, Mireya D. 384-385
- The cotton gazetteer, Arlen W. Frank 251-252
- CRC handbook of tropical food crops, Franklin W. Martin, ed. 129-130
- Craker, Lyle E., and James E. Simon, ed., Herbs, spices, and medicinal plants: Recent advances in botany, horticulture, and pharmacology, Volume 1 503-504
- Cramer, Gail L., and Clarence W. Jensen, Agricultural economics and agribusiness, ed. 3 255
- Crop genetic resources: Conservation and evaluation, J. H. W. Holden and J. T. Williams, ed. 130-131
- D'Arcy, William G., and Mireya D. Correa A, ed., The botany and natural history of Panama: La botanica e historia natural de Panama 384-385
- Dassanayake, M. D., ed., A revised handbook to the flora of Ceylon, Volume V 507
- Davies, I., and D. C. Sigee, ed., Cell ageing and cell death 255
- Davies, W. J. 505
- Davis, P. H., R. R. Mill, and Kit Tan, ed., Flora of Turkey and the East Aegean Islands, Volume 9 505
- Day, W., and R. K. Atkin, ed., Wheat growth and modelling 259
- Defilipps, Robert A. 253-254
- Denitrification in the nitrogen cycle, Han L. Golderman, ed. 505
- de Smet, Peter A. G. M., Ritual enemas and snuffs in the Americas 392-393
- Developmental biology of higher fungi, D. Moore, L. A. Casselton, D. A. Wood, and J. C. Frankland, ed. 505
- Diversity, Genetic Resources Communications Systems, Inc. 255
- The diversity of crop plants, J. G. Hawkes 255
- Dodds, John H., and Lorin W. Roberts, Experiments in plant tissue culture, ed. 2 505
- Douglas, George W. 258
- Dreyer, Peter, A gardener touched with genius: The life of Luther Burbank, rev. ed. 505
- Ducombs, Georges 408
- Duke, James A. 133-134
- Duke, James A., and Edward S. Ayensu, Medicinal plants of China 133-134
- The ecology of tropical food crops, M. J. T. Norman, C. J. Pearson, and P. G. E. Searle 498-499
- Economic botany: Plants in our world, Beryl Brintnall Simpson and Molly Conner-Ogorzaly 499-500
- Elisens, Wayne J., Monograph of the Maurandynae (Scrophulariaceae-Antirrhinae) 257
- Ellis, J. Pamela 257
- Ellis, Martin B., and J. Pamela Ellis, Microfungi on land plants: An identification handbook 257
- Emrich, Walter, Handbook of charcoal making: The traditional and industrial methods 394
- Endangered plant species of the world and their endangered habitats: A compilation of the literature, M. A. Miasek and C. R. Long, compilers 256
- Escheverry, Raúl, Flora apicola Colombiana 253
- Essential oil and aromatic plants, A. Baerheim Svendsen and J. J. C. Scheffer, ed. 500-501
- The ethnobotany of the Kwanyama Ovambos, Robert J. Rodin 131-132
- Evans, D. A. 254
- Experiments in plant tissue culture, ed. 2, John H. Dodds and Lorin W. Roberts 505

- Extinct and endangered plants of Australia, J. Leigh, R. Boden, and J. Briggs 256
- Farrelly, David, The book of bamboo 384
- Fearnside, Philip M., Human carrying capacity of the Brazilian rainforest 506
- Fehr, W. R., ed., Genetic contributions to yield gains of five major crop plants 256
- Felger, Richard Stephen, and Mary Beck Moser, People of the desert and sea: Ethnobotany of the Seri Indians 387-388
- Feng-Chi Ho, The illustrated plants of special uses in Taiwan 497
- Fenwick, George H. 258
- Ferguson, T. J., and E. Richard Hart, A Zuni atlas 508
- Ferreira, Hugo Gil, and Michael W. Marshall, The biophysical basis of excitability 505
- Field, D. V. 389
- A field guide to poisonous plants and mushrooms of North America, Charles Kingsley Levy and Richard B. Primack 132-133
- Flavor and fragrance materials—1985, Bruce K. Bernard, ed. 256
- Flora apicola Colombiana, Raúl Escheverry 253
- Flora Novo-Galiciana: A descriptive account of the vascular plants of western Mexico—Vol. 16: Orchidaceae, Rogers McVaugh 256
- Flora of the Cayman Islands, George R. Proctor 256
- Flora of Turkey and the East Aegean Islands, Volume 9, P. H. Davis, R. R. Mill, and Kit Tan, ed. 505
- Foliar feedings of plants with amino acid chelates, H. DeWayne Ashmead, Harvey H. Ashmead, Gene W. Miller, and Hsin-Hung Hsu, ed. 505
- Ford, Richard I., ed., Prehistoric food production in North America 390-392
- Forester, Donald C. 258
- Foussereau, Jean 408
- Francki, R. I. B., ed., The plant viruses. Vol. 1: Polyhedral virions with tripartite genomes 258
- Frank, Arlen W., The cotton gazetteer 251-252
- Frankland, J. C. 505
- Frodin, D. G., Guide to standard floras of the world 256
- Frontier expansion in Amazonia, M. Schmink and C. H. Wood, ed. 501
- Fruits of the Guianan flora, Marc G. M. van Rosmalen 256
- Fundamentals of plant systematics, Albert E. Radford 505
- The garden seed inventory, Kent Whealy, ed. 256
- A gardener touched with genius: The life of Luther Burbank, rev. ed., Peter Dreyer 505
- Garrod, D. R. 506
- Gathering the desert, Gary Paul Nabhan 256
- Genetic contributions to yield gains of five major crop plants, W. R. Fehr, ed. 256
- Le genre *Inga* (Légumineuses, Mimosoideae) en Guyane Française. Systématique, morphologie des formes juvénile, écologie, Odile Poncy 501-502
- Glinski, J., and W. Stepniewski, Soil aeration and its role for plants 258
- Goldblatt, Peter, ed., Index to plant chromosome numbers 1982-1983, monographs in systematic botany 13 506
- Golley, Frank B. 259
- Golterman, Han L., ed., Denitrification in the nitrogen cycle 505
- Goodin, J. R. 389
- Grassroots conservation of biological diversity in the United States, U.S. Government Printing Office 505-506
- Guide to standard floras of the world, D. G. Frodin 256
- Guide to the vascular plants of the Florida Panhandle, Andre F. Clewell 506
- Hall, D. O. 507
- Hames, Raymond B., and William T. Vickers, ed., Adaptive responses of native Amazonians 374
- Handbook of charcoal making: The traditional and industrial methods, Walter Emrich 394
- Handbook of plant cell culture, Volume 3: Crop species, P. V. Ammirato, D. A. Evans, W. R. Sharp, and Y. Yamada, ed. 254
- Harley, J. L., and S. E. Smith, Mycorrhizal symbiosis 257
- Hart, E. Richard 508
- Hatch, Stephan L. 506
- Havasupai habitat: A. F. Whiting's ethnography of a traditional Indian culture, Steven A. Weber and P. David Seaman, ed. 256
- Hawkes, J. G., The diversity of crop plants 255
- The heavy metal-tolerant flora of southcentral Africa: A multidisciplinary approach, R. R. Brooks and F. Malaisse 506
- Hegarty, M. P. 507
- Hegnauer, R., Chemotaxonomie der Pflanzen, Volume 7 450
- Heiser, Charles B., Jr., Of plants and people 53
- Herbs, spices, and medicinal plants: Recent advances in botany, horticulture, and pharmacology, Volume 1, Lyle E. Craker and James E. Simon, ed. 503-504
- Heyneman, Donald 507
- Heywood, Vernon H. 253-254
- Hirsch, Kathie J. 506
- Holden, J. H. W., and J. T. Williams, ed., Crop genetic resources: Conservation and evaluation 130-131

- Hoosier home remedies, Varro E. Tyler 504
- Hormones, receptors and cellular interactions in plants, C. M. Chadwick and D. R. Garrod, ed. 506
- Howard, J. A., and C. W. Mitchell, Phytogeomorphology 258, 507
- Hsu, Hsin-Hung 505
- Human carrying capacity of the Brazilian rain-forest, Philip M. Fearnside 506
- The illustrated plants of special uses in Taiwan, Feng-Chi Ho 497
- Imbamba, S. K. 507
- Index to plant chromosome numbers 1982-1983, monographs in systematic botany 13, Peter Goldblatt, ed. 506
- Instrumentation for environmental physiology, B. Marshall and F. I. Woodward, ed. 506
- The interpretation of ecological data: A primer on classification and ordination, E. C. Pie-lou 256
- An introduction to plant cell development, Jer-emy Burgess 506
- James, L. F. 507
- Jensen, Clarence W. 255
- Jojoba: New crop for arid lands, new raw material for industry, National Research Council 386
- Jones, C. Allan, C., grasses and cereals: Growth, development, and stress response 505
- Jordan, Carl F., Nutrient cycling in tropical forest ecosystems: Principles and their applica-tions in management and conservation 506
- Journal of Tropical Ecology 506
- Kahn, E. J., Jr., The staffs of life 393-394
- Keeler, R. F. 507
- King, Frances B., Plants, people, and paleoecol-ogy: Biotic communities and aboriginal plant usage in Illinois 390
- Klein, William M. 258
- Lamb, S. H. 257
- Lampe, Kenneth F., and Mary Ann McCann, AMA handbook of poisonous and inju-rious plants 250-251
- The leafhoppers and planthoppers, L. R. Nault and J. G. Rodriguez, ed. 506
- Leigh, J., R. Boden, and J. Briggs, Extinct and endangered plants of Australia 256
- Lemma, Aklilu, Donald Heyneman, and Sitali M. Silangwa, *Phytolacca dodecandra* (Endod) 507
- Lenci, Francesco 258
- Levy, Charles Kingsley, and Richard B. Primack, A field guide to poisonous plants and mushrooms of North America 132-133
- Lichen physiology and cell biology, D. H. Brown 506
- Loewus, Frank A. 257-258
- Long, C. R. 256
- Long, S. P. 507
- Lords of Cuzco: A history and description of the Inca people in their final days, Burr Car-wright Brundage 257
- Lucas, Grenville L. 253-254
- Makasheva, R. Kh., The pea 387
- Malaisse, F. 506
- Manokaran, N. 507
- Marshall, B., and F. I. Woodward, ed., Instru-mentation for environmental physiology 506
- Marshall, Michael W. 505
- Martin, Franklin W., ed., CRC handbook of trop-ical food crops 129-130
- McCann, Mary Ann 250-251
- McVaugh, Rogers, Flora Novo-Galiciana: A de-scriptive account of the vascular plants of western Mexico—Vol. 16: Orchidaceae 256
- Medicinal plants in tropical West Africa, Bep Oliver-Bever 502-503
- Medicinal plants of China, James A. Duke and Edward S. Ayensu 133-134
- Medicina, shamanismo, y botanica, Jimeno San-toyo, Myriam and Adolfo Triana Antorvez 256-257
- Merlin, Mark David, On the trail of the ancient opium poppy 135
- Miasek, M. A., and C. R. Long, compilers, En-dangered plant species of the world and their endangered habitats: A compilation of the literature 256
- Microfungi on land plants: An identification handbook, Martin B. Ellis and J. Pamela Ellis 257
- Miller, Gene W. 505
- Miller, H. A., and S. H. Lamb, Oaks of North America 257
- Miller, Richard Alan, The potential of herbs as a cash crop 507
- Mill, R. R. 505
- Minnis, Paul E., Social adaptations to food stress: A prehistoric Southwestern example 258
- Mitchell, C. W. 258, 507
- A monograph of the genus *Lilaeopsis* (Umbellifer-ae), James M. Affolter 257
- Monograph of the Maurandiyinae (Scrophularia-ceae-Antirrhinae), Wayne J. Elisens 257
- Moore, D., L. A. Casselton, D. A. Wood, and J. C. Frankland, ed., Developmental biology of higher fungi 505
- Moser, Mary Beck 387-388
- Mycorrhizal symbiosis, J. L. Harley and S. E. Smith 257
- Nabhan, Gary Paul, Gathering the desert 256
- Natural pesticides from the neem tree (*Azadi-rachta indica* A. Juss.) and other tropical

- plants, H. Schmutterer and K. R. S. Ascher, ed. 257
- Natural toxicants in feeds and poisonous plants, Peter R. Cheeke and Lee R. Shull 185
- Nault, L. R., and J. G. Rodriguez, ed., The leafhoppers and planthoppers 506
- New Mexico grasses: A vegetative key, Carolyn M. Barnard and Loren D. Potter 257
- Nilsson, S., ed., Nordic aerobiology 441
- Norden, Arnold W., Donald C. Forester, and George H. Fenwick, ed., Threatened and endangered plants and animals of Maryland 258
- Nordic aerobiology, S. Nilsson, ed. 441
- Norman, M. J. T., C. J. Pearson, and P. G. E. Searle, The ecology of tropical food crops 498-499
- North American range plants, ed. 3, J. Stubbendieck, Stephan L. Hatch, and Kathie J. Hirsch 506
- The northwest European pollen flora, volume 4 (parts 29-37), W. Punt and G. C. S. Clarke, ed. 249
- Nutrient cycling in tropical forest ecosystems: Principles and their applications in management and conservation, Carl F. Jordan 506
- Oaks of North America, H. A. Miller and S. H. Lamb 257
- Of plants and people, Charles B. Heiser, Jr. 53
- The oldest useful and cultivated plants, H. Brockmann-Jerosch 506-507
- Oldfield, Margery L., The value of conserving genetic resources 232
- Olembo, R. J. 507
- Oliver-Bever, Bep, Medicinal plants in tropical West Africa 502-503
- The Olmecs: The oldest civilization in Mexico, Jacques Soustelle 257
- Ong, C. K. 505
- On the trail of the ancient opium poppy, Mark David Merlin 135
- Our green and living world: The wisdom to save it, Edward S. Ayensu, Vernon H. Heywood, Grenville L. Lucas, and Robert A. Defilippis 253-254
- Palmer, J. M., ed., The physiology and biochemistry of plant respiration 257
- Papyrus, tapa, amate and rice paper: Papermaking in Africa, the Pacific, Latin America and southeast Asia, ed. 2, Lillian A. Bell 257
- The pea, R. Kh. Makasheva 387
- Pearson, C. J. 498-499
- Peleg, Kalman, Produce handling, packaging and distribution 258
- People of the desert and sea: Ethnobotany of the Seri Indians, Richard Stephen Felger and Mary Beck Moser 387-388
- Petrov, D. F., ed., Apomixis and its role in evolution and breeding 365
- Phillipson, J. D., M. F. Roberts, and M. H. Zenk, ed., The chemistry and biology of isoquinoline alkaloids 505
- Photosynthesis in relation to plant production in terrestrial environments, C. L. Beadle, S. P. Long, S. K. Imbamba, D. O. Hall, and R. J. Olembo 507
- The physiology and biochemistry of plant respiration, J. M. Palmer, ed. 257
- Phytochemical adaptations to stress, Barbara N. Timmermann, Cornelius Steelink, and Frank A. Loewus, ed. 257-258
- Phytogeomorphology, J. A. Howard and C. W. Mitchell 258, 507
- Phytolacca dodecandra* (Endod), Aklilu Lemma, Donald Heyneman, and Sitali M. Silangwa 507
- Pielou, E. C., The interpretation of ecological data: A primer on classification and ordination 256
- Plant contact dermatitis, Claude Benezra, Georges Ducombs, Yves Sell, and Jean Fousseureau 408
- Plant fiber for papermaking, Lillian A. Bell 102
- Plants for arid lands, G. E. Wickens, J. R. Goodin, and D. V. Field, ed. 389
- Plants, people, and paleoecology: Biotic communities and aboriginal plant usage in Illinois, Frances B. King 390
- Plant toxicology, A. A. Seawright, M. P. Hegarty, L. F. James, and R. F. Keeler, ed. 507
- The plant viruses. Vol. 1: Polyhedral virions with tripartite genomes, R. I. B. Francki, ed. 258
- Poncy, Odile, Le genre *Inga* (Légumineuses, Mimosoideae) en Guyane Française. Systématique, morphologie des formes juvénile, écologie 501-502
- The potential of herbs as a cash crop, Richard Alan Miller 507
- Potter, Loren D. 257
- Pre-Columbian plant migration, Doris Stone, ed. 134-135
- Prehistoric food production in North America, Richard I. Ford, ed. 390-392
- Priestley, David A., Seed aging: Implications of seed storage and persistence in the soil 507
- Primack, Richard B. 132-133
- Primer seminario internacional sobre platano, Universidad de Caldas, Colombia 392
- Proceedings of the rattan seminar, K. M. Wong and N. Manokaran, ed. 507
- Proceedings sixth North American ginseng conference, John T. A. Proctor, ed. 507

- Proctor, George R., Flora of the Cayman Islands 256
- Proctor, John T. A., ed., Proceedings sixth North American ginseng conference 507
- Produce handling, packaging and distribution, Kalman Peleg 258
- Punt, W., and G. C. S. Clarke, ed., The northwest European pollen flora, Volume 4 (parts 29-37) 249
- Radford, Albert E., Fundamentals of plant systematics 505
- The rare vascular plants of British Colombia, Gerald B. Straley, Roy L. Taylor, and George W. Douglas 258
- A revised handbook to the flora of Ceylon, Volume V, M. D. Dassanayake, ed. 507
- Ritual enemas and snuffs in the Americas, Peter A. G. M. de Smet 392-393
- Roberts, Lorin W. 505
- Roberts, M. F. 505
- Rodin, Robert J., The ethnobotany of the Kwan-yama Ovambos 131-132
- Rodriguez, J. G. 506
- Rogers, David J. 507
- Rowley, William D., U.S. Forest Service grazing and rangeland: A history 259
- Santoyo, Jimeno, Myriam and Adolfo Triana Antorveza, Medicina, shamanismo, y botanica 256-257
- Scheffer, J. J. C. 500-501
- Schmink, M., and C. H. Wood, ed., Frontier expansion in Amazonia 501
- Schmutterer, H., and K. R. S. Ascher, ed., Natural pesticides from the neem tree (*Azadirachta indica* A. Juss.) and other tropical plants 257
- Seaman, P. David 256
- Searle, P. G. E. 498-499
- Seawright, A. A., M. P. Hegarty, L. F. James, and R. F. Keeler, ed., Plant toxicology 507
- Seed aging: Implications of seed storage and persistence in the soil, David A. Priestley 507
- Sell, Yves 408
- Sensory perception and transduction in aneural organisms, Giuliano Colombetti, Francesco Lenci, and Pill-Soon Song, ed. 258
- Sharp, W. R. 254
- Shkolnik, M. Y., Trace elements in plants 259
- Shull, Lee R. 185
- Sigee, D. C. 255
- Sigel, Helmut, ed., Antibiotics and their complexes 255
- Silangwa, Sitali M. 507
- Simon, James E. 503-504
- Simpson, Beryl Brintnall, and Molly Conner-Ogorzaly, Economic botany: Plants in our world 499-500
- Smith, S. E. 257
- Social adaptations to food stress: A prehistoric Southwestern example, Paul E. Minnis 258
- Soil aeration and its role for plants, J. Glinski and W. Stepniewski 258
- Song, Pill-Soon 258
- Soustelle, Jacques, The Olmecs: The oldest civilization in Mexico 257
- The staffs of life, E. J. Kahn, Jr. 393-394
- Standley, Lisa A., Systematics of the Acutae group of *Carex* (Cyperaceae) in the Pacific Northwest 258
- Steelink, Cornelius 257-258
- Stepniewski, W. 258
- Stockhouse, Robert E. 258
- Stone, Doris, ed., Pre-Columbian plant migration 134-135
- Straley, Gerald B., Roy L. Taylor, and George W. Douglas, The rare vascular plants of British Columbia 258
- Stubbendieck, J., Stephan L. Hatch, and Kathie J. Hirsch, North American range plants, ed. 3 506
- Svendsen, A. Baerheim, and J. J. C. Scheffer, ed., Essential oil and aromatic plants 500-501
- Swain, Tony 255
- The symbolic role of women in Trobriand gardening, Marianne Brindley 258
- The systematics and evolution of the *Oenothera caespitosa* species complex (Onagraceae), Warren L. Wagner, Robert E. Stockhouse, and William M. Klein 258
- Systematics of the Acutae group of *Carex* (Cyperaceae) in the Pacific Northwest, Lisa A. Standley 258
- Takahashi, N. 255
- Tan, Kit 505
- Taxonomic analysis in biology: Computers, models and databases, Lois A. Abbott, Frank A. Bisby, and David J. Rogers 507
- Taylor, Roy L. 258
- Technology, renewable resources, and American crafts: Background paper, U.S. Congress, Office of Tech. Asses. 258
- Threatened and endangered plants and animals of Maryland, Arnold W. Norden, Donald C. Forester, and George H. Fenwick, ed. 258
- Timmermann, Barbara N., Cornelius Steelink, and Frank A. Loewus, ed., Phytochemical adaptations to stress 257-258
- Trace elements in plants, M. Y. Shkolnik 259
- Trends in ecological research for the 1980s, June H. Cooley and Frank B. Golley, ed. 259
- Treshow, Michael, ed., Air pollution and plant life 255

- Tsunoda, S., and N. Takahashi, ed., *Biology of rice* 255
- Tyler, Varro E., *Hoosier home remedies* 504
- U.S. Forest Service *grazing and rangeland: A history*, William D. Rowley 259
- Unlucky plants. *Folklore surveys* 1, Roy Vickery 507
- The useful plants of west tropical Africa, ed. 2, vol. 1, families A-D, H. M. Burkill 176
- The value of conserving genetic resources, Margery L. Oldfield 232
- Van Bruggen, Theodore, *The vascular plants of South Dakota*, ed. 2 507-508
- van Rosmalen, Marc G. M., *Fruits of the Guianan flora* 256
- The vascular plants of South Dakota*, ed. 2, Theodore Van Bruggen 507-508
- Vickers, William T. 374
- Vickery, Roy, *Unlucky plants. Folklore surveys* 1 507
- Voir, savoir, pouvoir: *Le chamanisme chez les Yagua du nord-est Peruvien*, Jean-Pierre Chaumeil 259
- Wagner, Warren L., Robert E. Stockhouse, and William M. Klein, *The systematics and evolution of the *Oenothera caespitosa* species complex (Onagraceae)* 258
- Walkey, D. G. A., *Applied plant virology* 255
- Weber, Steven A., and P. David Seaman, ed., *Havasupai habitat: A. F. Whiting's ethnography of a traditional Indian culture* 256
- Whealy, Kent, ed., *The garden seed inventory* 256
- Wheat growth and modelling, W. Day and R. K. Atkin, ed. 259
- Wickens, G. E., J. R. Goodin, and D. V. Field, ed., *Plants for arid lands* 389
- Wiley science calendar and planning guide, 1986 259
- Williams, J. T. 130-131
- Willson, K. C. 424
- Witt, Steven C., *Brief book: Biotechnology and genetic diversity* 498
- Wong, K. M., and N. Manokaran, ed., *Proceedings of the rattan seminar* 507
- Wood, C. H. 501
- Wood, D. A. 505
- Woodward, F. I. 506
- Woolhouse, H. W. 255
- Yamada, Y. 254
- Zenk, M. H. 505
- A Zuni atlas, T. J. Ferguson and E. Richard Hart 508

INDEX TO BOOK REVIEWERS IN VOLUME 40¹

- Bates, David M. 253-254
- Bird, Robert McK. 390-392
- Bretting, Peter K. 393-394
- Bye, Robert A., Jr. 387-388
- De Wet, J. M. J. 365
- Duke, James A. 53, 503-504
- Elvin-Lewis, Memory 408
- Eshbaugh, W. Hardy 384-385
- Felker, Peter 386, 389
- Fong, Harry H. S. 133-134
- Fryxell, Paul A. 251-252
- Heiser, Charles 134-135
- Hemmerly, Thomas E. 499-500
- Knight, Robert J., Jr. 129-130
- Krikorian, A. D. 254, 385-386, 392
- Lewis, Walter H. 129, 131-132, 135, 176, 185, 232, 249, 441, 450, 502-503, 504
- Morton, Julia F. 102, 132-133, 497, 498-499
- Plowman, Timothy 501-502
- Schultes, Richard Evans 253, 374, 386, 387, 392-393, 424, 498, 500-501
- Smith, C. Earle, Jr. 250-251
- Wagner, Gail E. 390
- Wilkes, Garrison 130-131
- Young, Stephen M. 384

¹ Anyone interested in reviewing books is invited to write to our Book Review Editor, Dr. Walter H. Lewis, Dept. of Biology, Washington University, St. Louis, MO 63130, to inform him of your areas of expertise or interest.

LIST OF 1986 MANUSCRIPT REVIEWERS

The following reviewers of manuscripts have earned the gratitude of the Society, the journal, and the numerous authors of papers:

Ashton, P.	Dunford, M. P.	Kaplan, L.	Sanders, R. W.
Bagby, M. O.	Duvick, D. N.	Kinghorn, A. D.	Scheirer, D. C.
Bandurski, R. S.	Erdman, M. D.	Kokwaro, J. O.	Schmiediche, P.
Basile, D.	Eshbaugh, W. H.	Langenheim, J. H.	Scholtz, E.
Bates, D. M.	Etkin, N.	Lawrence, B. M.	Schramm, L. C.
Beck, C. W.	Fenical, W.	Lewis, W. H.	Shultz, E. B., Jr.
Bedigian, D.	Fong, H. H. S.	Litsky, W.	Simmons, A. H.
Bell, L. A.	Ford, R.	Lockhart, J. C.	Smith, D.
Bert, M.	Galinat, W. C.	McLaughlin, S. P.	Smith, J. C. S.
Bolyard, J. L.	Gatehouse, A. M. R.	Mears, J. A.	Staba, E. J.
Bretting, P.	Gentry, A. H.	Mennega, A. M. W.	Stinson, H. T.
Briggs, R.	Goodman, M. M.	Meyer, F. G.	Swanson, C. P.
Brown, W. L.	Greenblatt, I.	Miller, J. M.	Thieret, J. W.
Carr, M. E.	Gunn, C. R.	Morton, J. F.	Tyler, V. E.
Cherry, J. H.	Harlan, J. R.	Nabhan, G.	Ugent, D.
Cock, J. H.	Hawkes, J. G.	Ochoa, C.	Verhoek, S.
Cox, D.	Heiser, C. B., Jr.	Princen, L. H.	Waines, J. G.
Croft, J. R.	Hevly, R. H.	Raffauf, R. F.	Webster, R.
Croom, E. M., Jr.	Hoffman, P. G.	Ritchie, A. J.	Weir, G. H.
Davis, E. W.	Hume, D. J.	Robinson, S.	Wetterstrom, W.
De Wet, J. M. J.	Iltis, H.	Robinson, T.	Wilce, R. T.
Doebley, J.	Jashemski, W. F.	Rodman, J. E.	Yarnell, R. A.
Donaldson, M. L.	Jensen, W. A.	Rogers, D. J.	Yen, D. E.
Duckett, J. G.	Johns, T. A.	Rollins, R. C.	